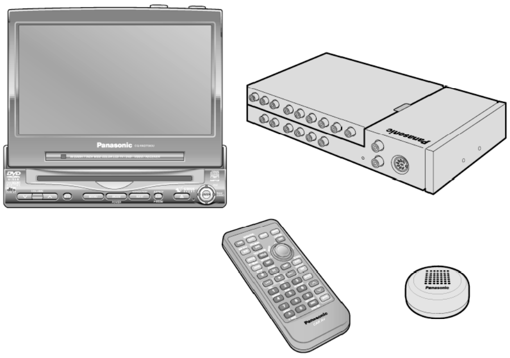
ORDER No.ACED030243C1
C7

Service Manual

AUTOMOTIVE AFTERMARKET

CQ-VAD7300U

In-Dash 7 Inch Wide Color LCD TV/DVD-Video/Receiver



SPECIFICATIONS

Specifications*

Display Unit	
General	
Power Supply	**DC 12V (11V - 16V),** **Test Voltage 14.4V** **Negative Ground**
Current Consumption	**Less than 1.5A**
Maximum Power Output / (External Speaker)	**0.7 W**
Compatible Speaker Impedance	**8 Ω**
Monitor	
Liquid Crystal Panel	**7 inches wide**
Screen Dimensions / (W × H × D)	**154 × 87 × 177 (mm)**
Number of Pixels	**336,960 pixels** **(234 vertical × 480 horizontal × 3)**
Valid Pixel Ratio	**Over 99.99 %**
Display Method	**Transparent color filter format**
Drive Method	**TFT (Thin Film Transistor)** **active matrix format**
Light Source	**Internal light** **(Built-in small fluorescent lamp)**
Supplied Speaker	
Impedance	**8 Ω**
Maximum Power Input	**2W**
Hide-away Unit	
General	
Power Supply	**DC 12V (11V - 16V),** **Test Voltage 14.4V** **Negative Ground**
Current Consumption	**Less than 10A (during disc playback)**
Maximum Power Output	**45W × 4ch (at 16V)**
Compatible Speaker Impedance	**4 Ω**
Video Input Signal	**Composite Video Signal, / 1.0 Vp-p (75 Ω)**
Audio Input Sensitivity	**2 Vrms**
Video Output Signal	**Composite Video Signal, / 1 Vp-p (75 Ω)**
Pre-Amp Output Voltage	**4 Vrms**
Pre-Amp Output Impedance	**Less than 60 Ω**
FM Stereo Radio	
Frequency Range	**87.9 - 107.9MHz**
Usable Sensitivity	**12dBf**
Stereo Separation	**35dB (1kHz)**
S/N Ratio	**70dB**
AM Stereo Radio	
Frequency Range	**530 - 1710kHz**
Usable Sensitivity	**28 dB/ μ B**
Image Rejection Ratio	**50 dB**

Video Section	
Signal Format	NTSC (Standard signal format in U.S. and Japan)
Video Output	75 Ω , 1 Vp-p
Region Number	1 and ALL
Audio Section	
Output Voltage/Impedance	4 Vrms/220 Ω
Distortion	
Front L/R (1 kHz, 0dB, PCM Input	0.04%
S/N Ratio	90dB (during CD playback and connected with optical fiber cable)
Dimensions** (W × H × D)	
Display Unit	178 × 50 × 160 (mm)
Hide-away Unit	245 × 42 × 150 (mm)
Weight**	
Display Unit	2.3 kg
Hide-away Unit	1.8 kg

* Specifications and the design are subject to possible modification without notice due to improvements.

** Dimensions and Weight shown are approximate.

-Above specifications comply with EIA standards.

Panasonic®

1. ABOUT LEAD FREE SOLDER (PbF)

Distinction of PbF PCB:

PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.

Caution :

- Pb free solder has a higher melting point than standard solder; Typically the melting point is 50 - 70°F (30 - 40°C) higher. Please use a soldering iron with temperature control and adjust it to 700 ± 20°F (370 ± 10°C). In case of using high temperature soldering iron,

please be careful not to heat too long.

- Pb free solder will tend to splash when heated too high (about 1100°F/600°C)
- This lead free solder will be used for the products after serial No. 1,000,001.

2. FEATURES

- Integration of the monitor, TV tuner, FM/AM radio, DVD/Video CD player, and CD/MP3 player
- 7-inches wide LCD color display
- Fully powered display positioning mechanism
- GUI (Graphic User Interface)
- Image capture function
- Built-in automatic dimmer
- ID code
- External extension terminal
- CD changer control function
- Sirius satellite radio receiver control function

3. REPLACEING THE FUSE

Use fuses of the same specified rating (5A, 15A). Using different substitutes or fuses with higher ratings, or connecting the unit directly without a fuse, could cause fire or damage to this unit.

4. MAINTENANCE

Your products is designed and manufactured to ensure a minimum of maintenance. Use a soft cloth for routine exterior cleaning. Never use benzine, thinner or other solvent.

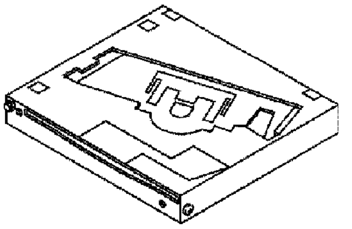
5. LASER PRODUCTS

CAUTION:

This product utilizes a laser diode with the unit turned "on", laser radiation is emitted from the pickup lens.

Laser radiation from the pickup lens is safety level, but be sure the followings:

1. Do not disassemble the optical pickup unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pickup unit. It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pickup lens for a long time.

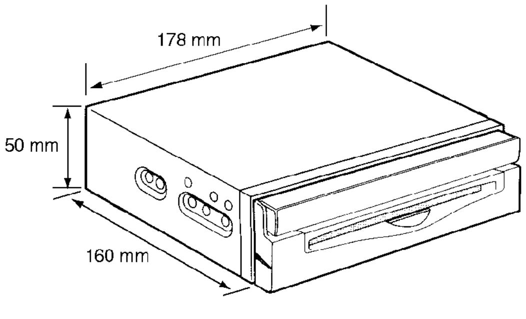


Deck Ass'y (Upper Side)

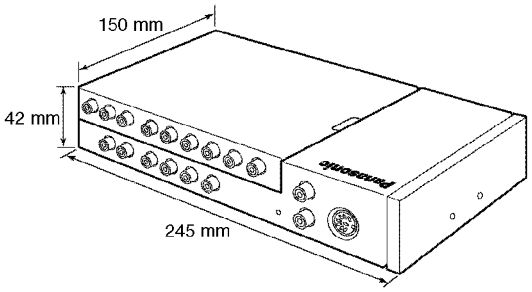
Caution
This Product utilizes a laser.
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

6. DIMENSIONS

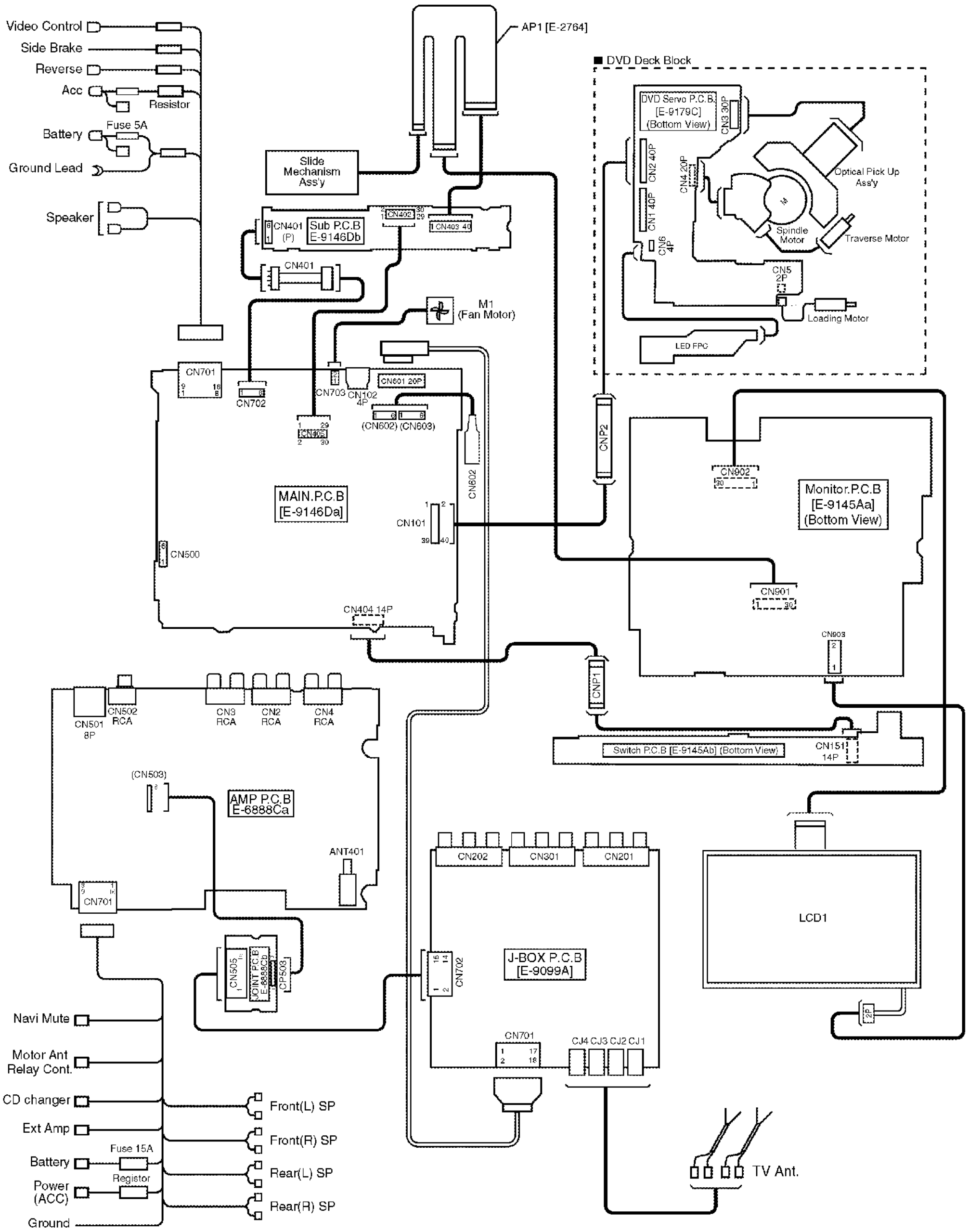
■ Display Unit



■ Hide-away Unit



7. WIRING CONNECTION


Video Control
Side Brake
Reverse
Acc
Resistor
Fuse 5A
Battery
Ground Lead
Speaker
AP1 [E-2764]
■ DVD Deck Block
DVD Servo P.C.B. [E-9179C] (Bottom View)
CN3 30P
CN2 40P
CN4 20P
CN1 40P
CN6 4P
Optical Pick Up Ass'y
M
Spindle Motor
Traverse Motor
CN5 2P
Loading Motor
LED FPC
Slide Mechanism Ass'y
CN401 (P)
Sub P.C.B E-9146Db
CN402
CN403
CN401
M1 (Fan Motor)
CN701
CN702
CN703
CN102 4P
CN601 20P
(CN602) (CN603)
CN405
MAIN.P.C.B [E-9146Da]
CN602
CN101
CN500
CN404 14P
CNP2
CN902
Monitor.P.C.B [E-9145Aa] (Bottom View)
CN901
CN903
CNP1
Switch P.C.B [E-9145Ab] (Bottom View)
CN151 14P
CN501 8P
CN502 RCA
CN3 RCA
CN2 RCA
CN4 RCA
(CN503)
AMP P.C.B E-6888Ca
ANT401
CN701
CN505
JOINT P.C.B E-6888Cb
CP503
CN202
CN301
CN201
J-BOX P.C.B [E-9099A]
CN702
CN701
CJ4 CJ3 CJ2 CJ1
LCD1
2P
TV Ant.
Navi Mute
Motor Ant Relay Cont.
CD changer
Ext Amp
Fuse 15A
Battery
Registor
Power (ACC)
Ground
Front(L) SP
Front(R) SP
Rear(L) SP
Rear(R) SP

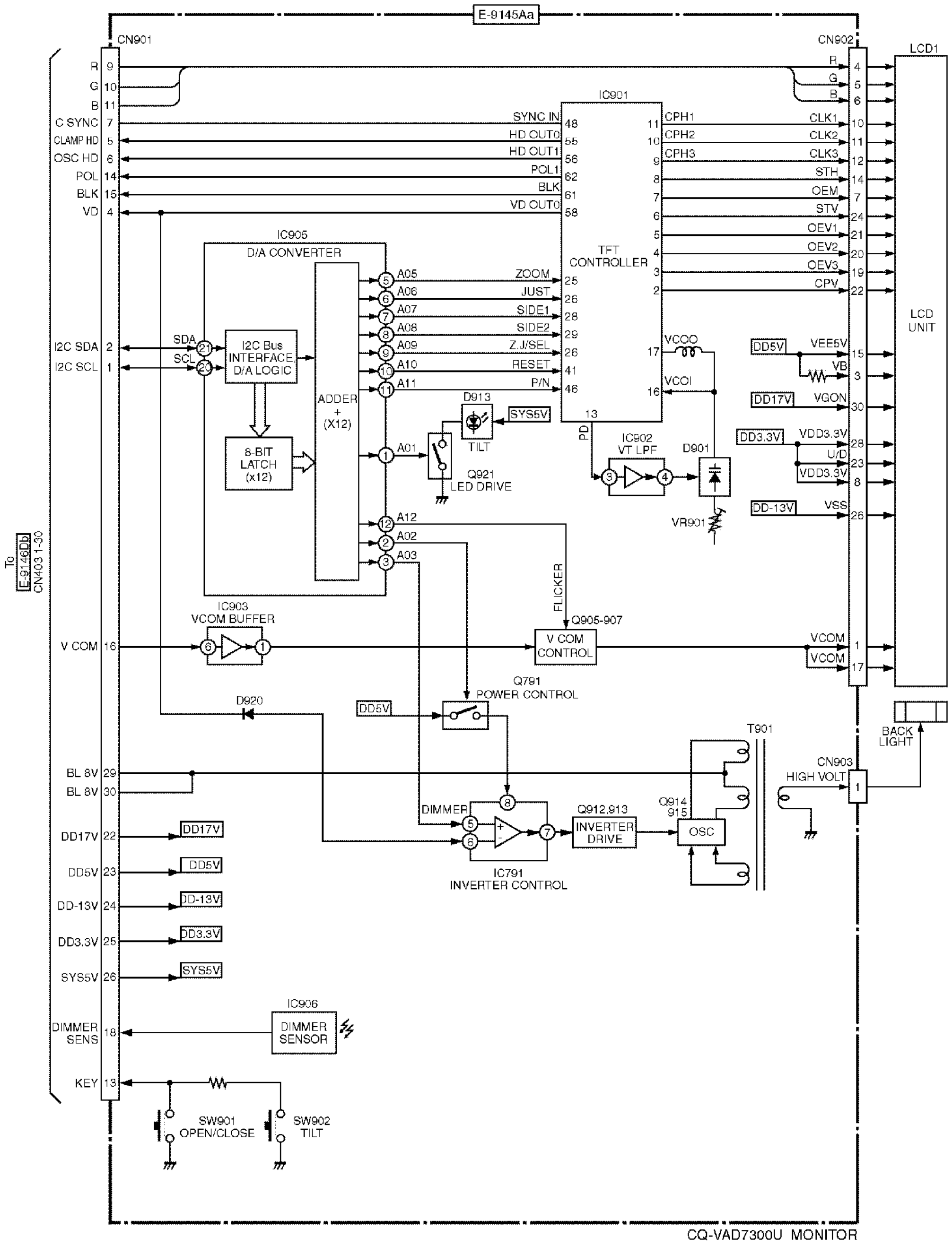
<Note> :

☐ ······This mark shows a Ref. No. of connector

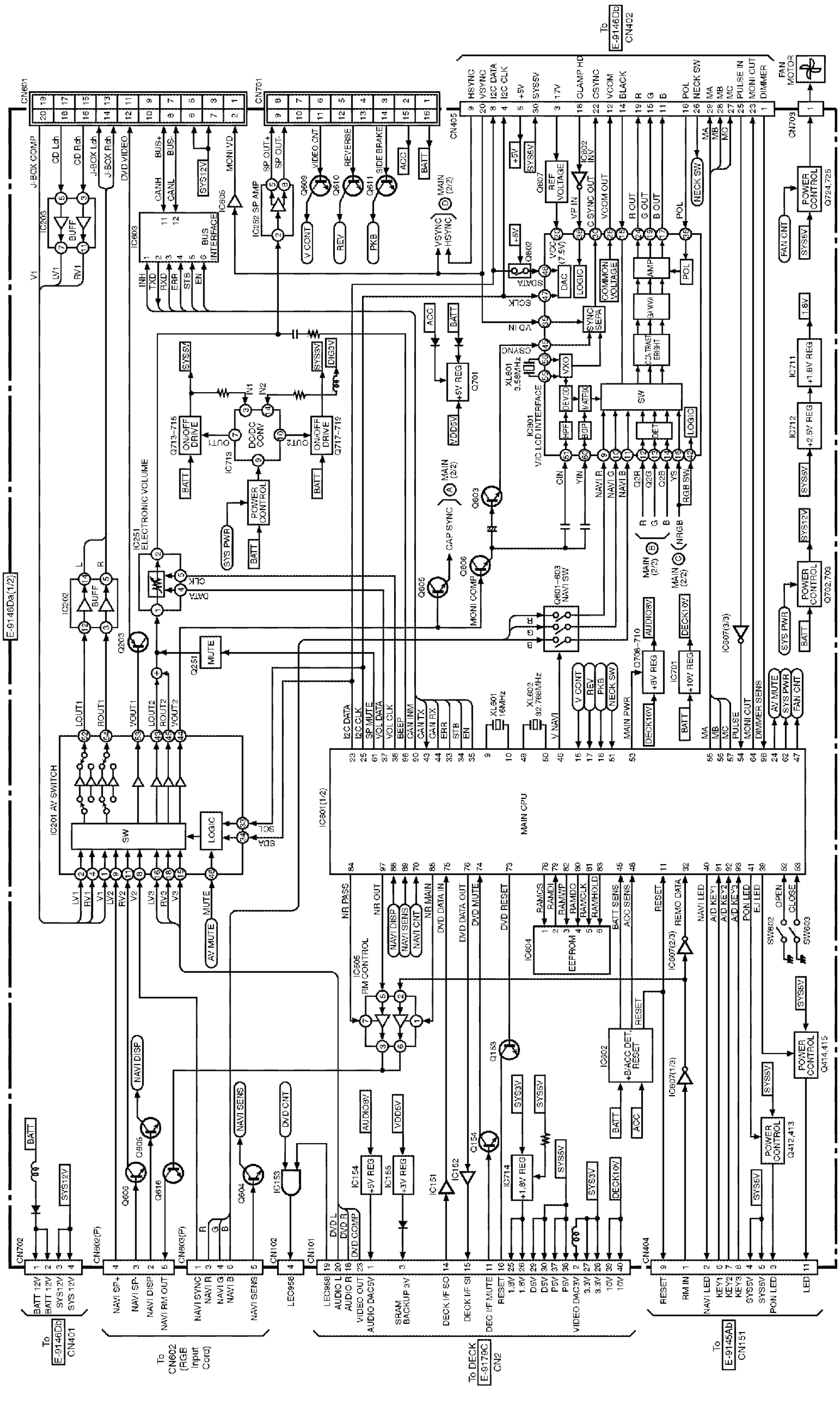
⬚ ······This mark shows a mounting position of connector.

8. BLOCK DIAGRAM

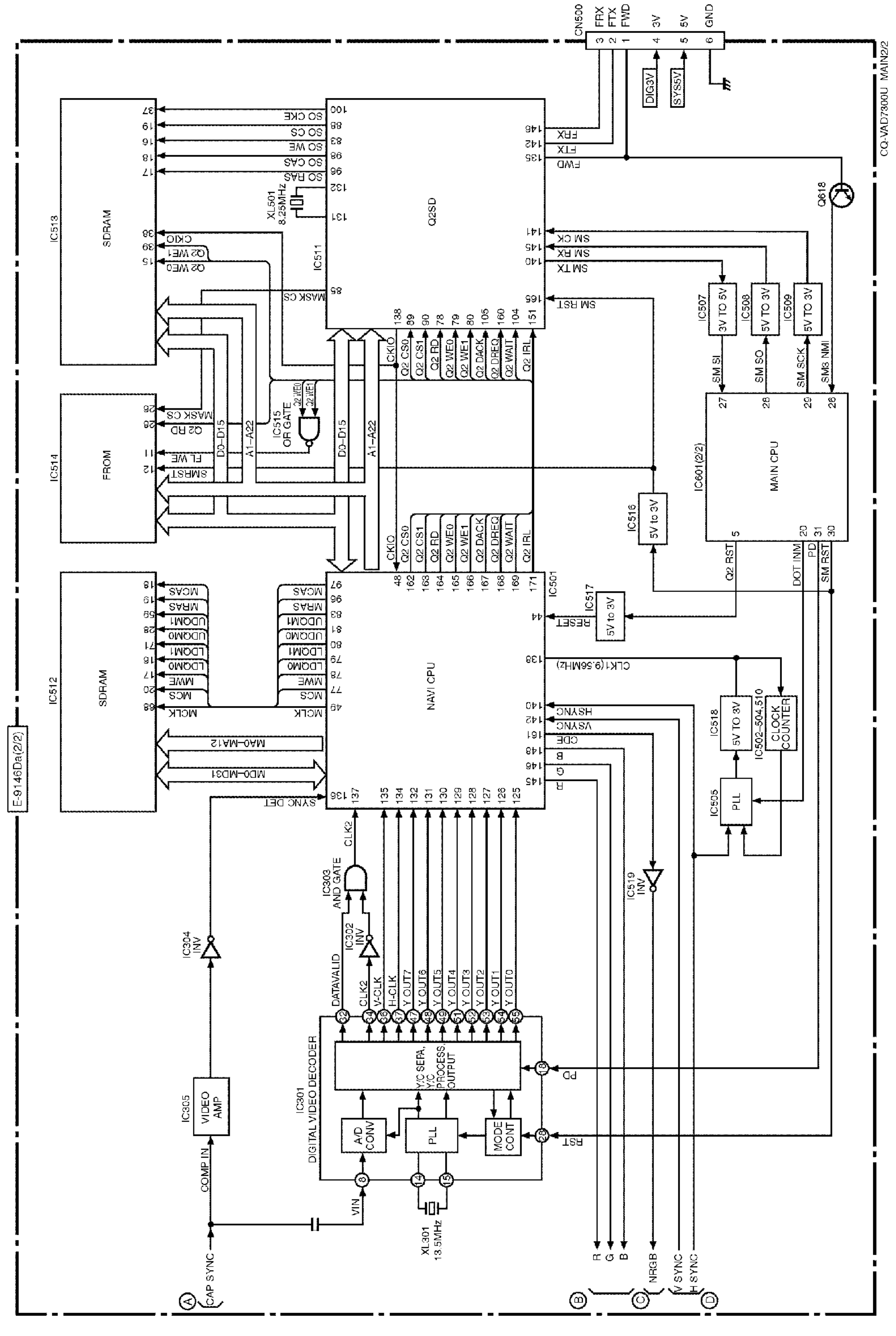
8.1. Monitor Block


E-9145Aa
CN901
CN902
LCD1
To E-9146Db CN403 1-30
R 9
G 10
B 11
C SYNC 7
CLAMP HD 5
OSC HD 6
POL 14
BLK 15
VD 4
I2C SDA 2
I2C SCL 1
V COM 16
BL 8V 29
BL 8V 30
DD17V 22
DD5V 23
DD-13V 24
DD3.3V 25
SYS5V 26
DIMMER SENS 18
KEY 13
IC901
TFT CONTROLLER
SYNC IN 48
HD OUT0 55
HD OUT1 56
POL1 62
BLK 61
VD OUT0 58
ZOOM 25
JUST 26
SIDE1 28
SIDE2 29
Z.J/SEL 26
RESET 41
P/N 46
13
PD
CPH1 11
CPH2 10
CPH3 9
8
7
6
5
4
3
2
VCOO 17
VCOI 16
IC905
D/A CONVERTER
SDA 21
SCL 20
I2C Bus INTERFACE D/A LOGIC
8-BIT LATCH (x12)
ADDER + (X12)
A05 5
A06 6
A07 7
A08 8
A09 9
A10 10
A11 11
A01 1
A12 12
A02 2
A03 3
D913
SYS5V
TILT
Q921
LED DRIVE
IC902
VT LPF
3
4
D901
VR901
FLICKER
Q905-907
V COM CONTROL
IC903
VCOM BUFFER
6
1
R 4
G 5
B 6
CLK1 10
CLK2 11
CLK3 12
STH 14
OEM 7
STV 24
OEV1 21
OEV2 20
OEV3 19
CPV 22
DD5V
VEE5V 15
VB 3
DD17V
VGON 30
DD3.3V
VDD3.3V 28
U/D 23
VDD3.3V 8
DD-13V
VSS 26
VCOM 1
VCOM 17
LCD UNIT
BACK LIGHT
CN903
HIGH VOLT 1
T901
Q914 915
OSC
Q912,913
INVERTER DRIVE
Q791
POWER CONTROL
DD5V
D920
DIMMER
8
5
6
7
IC791
INVERTER CONTROL
DD17V
DD5V
DD-13V
DD3.3V
SYS5V
IC906
DIMMER SENSOR
SW901
OPEN/CLOSE
SW902
TILT
CQ-VAD7300U MONITOR

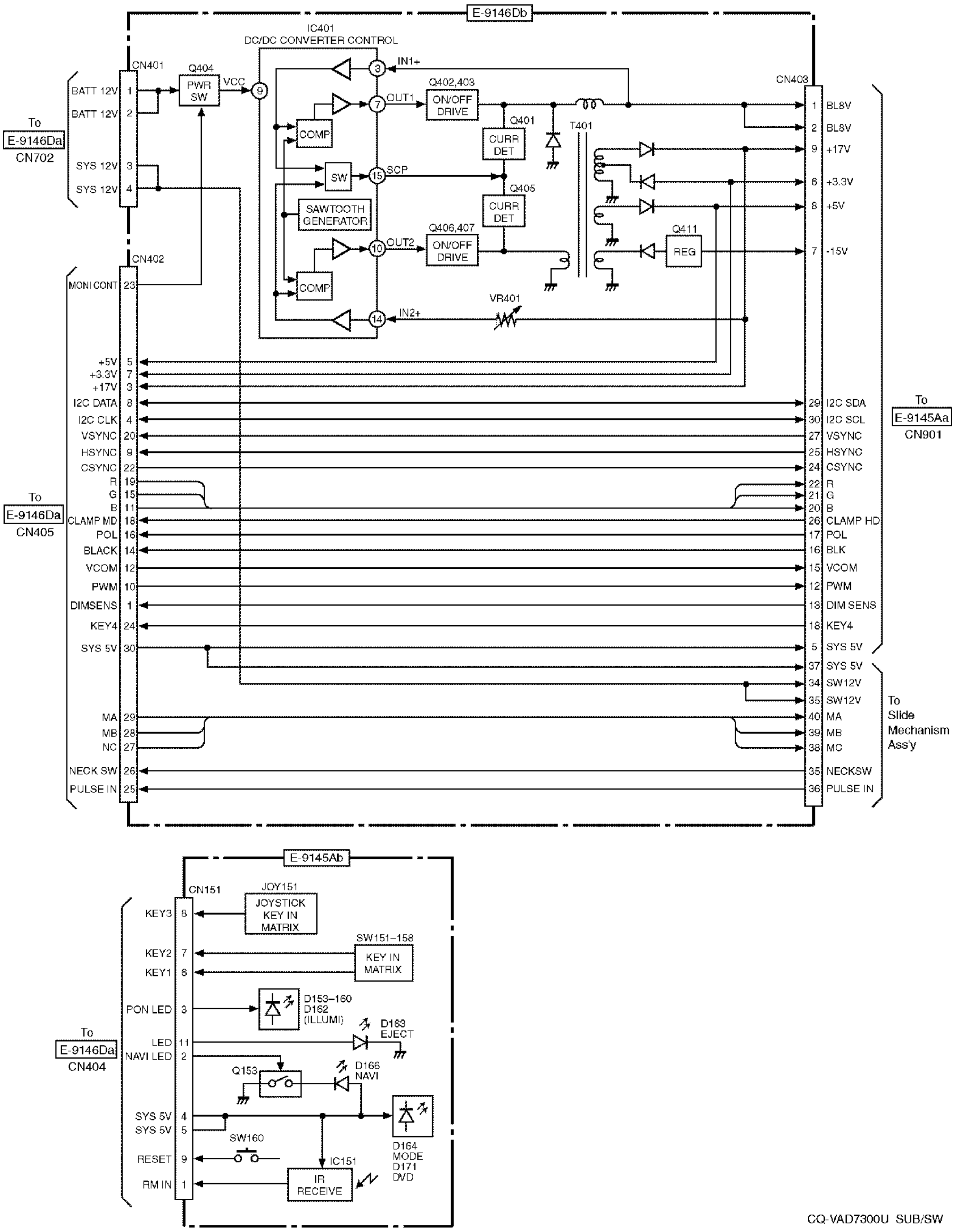
8.2. Main-1 Block


CQ-VAD7300U MAIN1/2
IC601(1/2) MAIN CPU
IC201 AV SWITCH
IC251 ELECTRONIC VOLUME
IC301 V/C LCD INTERFACE
IC603 BUS INTERFACE
IC713 DC-DC CONV
IC604 EEPROM
IC605 RM CONTROL
IC602 +BACC DET. RESET
IC252 SP AMP
IC202 BUFF
IC203 BUFF
CN601
CN701
CN405
CN702
CN602(P)
CN603(P)
CN102
CN101
CN404
CN703
FAN MOTOR
To E-9146Db CN402
To E-9146Db CN401
To CN602 (RGB Input Cord)
To DECK E-5179C CN2
To E-9145Ab CN151
E-9146Da(1/2)

8.3. Main-2 Block

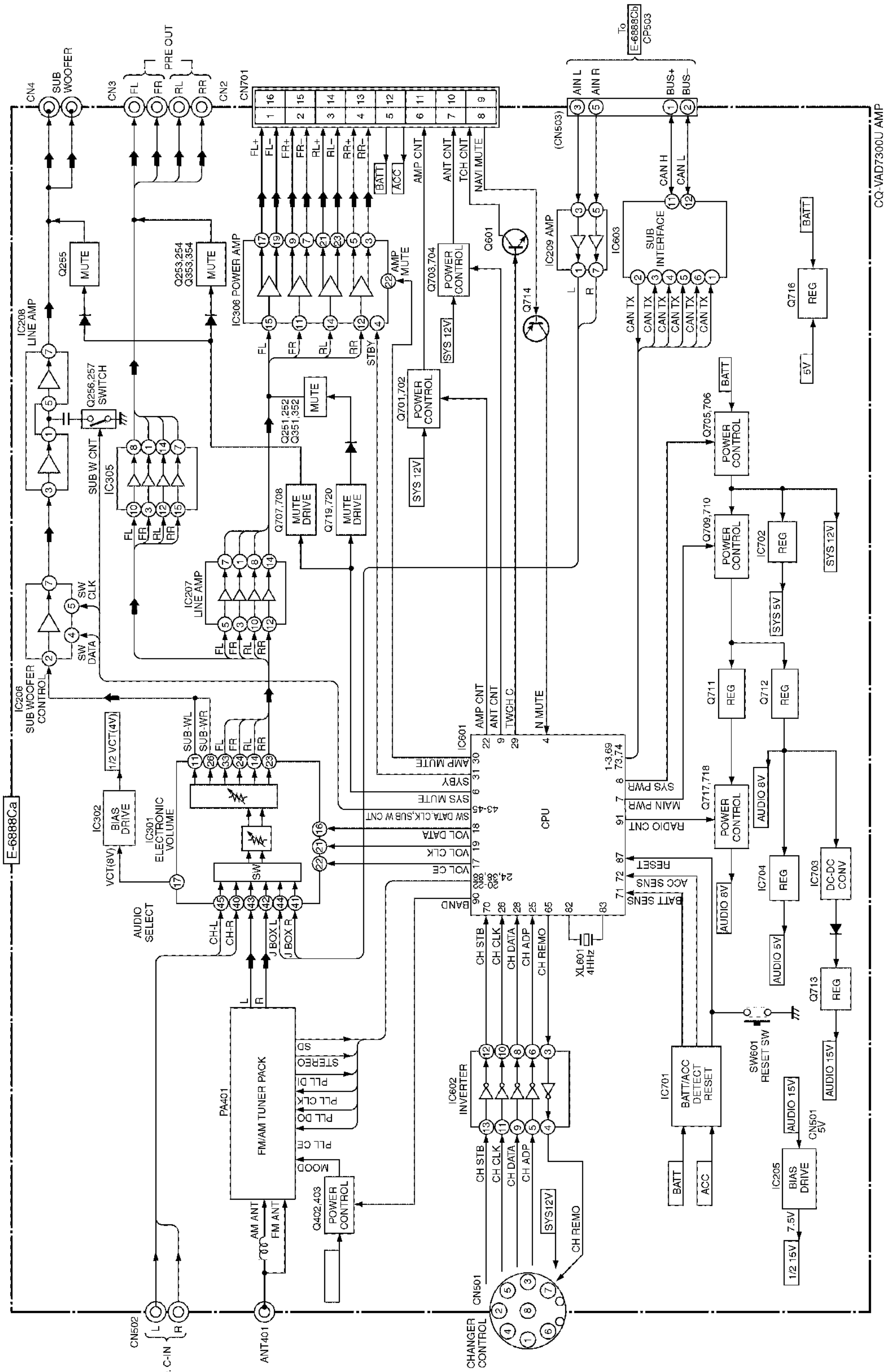

CN500
FRX
FTX
FWD
3V
5V
GND
DIG3V
SYS5V
CQ-VAD7300U MAIN2/2
E-9146Da(2/2)
IC513
SDRAM
IC514
FROM
IC512
SDRAM
IC511
Q2SD
XL501
8.25MHz
IC501
NAVI CPU
IC515
OR GATE
IC516
5V to 3V
IC517
5V to 3V
IC507
3V TO 5V
IC508
5V TO 3V
IC509
5V TO 3V
Q618
IC601(2/2)
MAIN CPU
IC518
5V TO 3V
IC502~504,510
CLOCK COUNTER
IC505
PLL
IC519
INV
IC303
AND GATE
IC302
INV
IC304
INV
IC305
VIDEO AMP
IC301
DIGITAL VIDEO DECODER
A/D CONV
PLL
MODE CONT
Y/C SEPA. Y/C PROCESS OUTPUT
XL301
13.5MHz
SO CKE
SO CS
SO WE
SO CAS
SO RAS
CKIO
Q2 WE1
Q2 WE0
MASK CS
Q2 RD
FL WE
SMRST
D0~D15
A1~A22
Q2 CS0
Q2 CS1
Q2 DACK
Q2 DREQ
Q2 WAIT
Q2 IRL
MCAS
MRAS
UDQM1
UDQM0
LDQM1
LDQM0
MWE
MCS
MCLK
MA0~MA12
MD0~MD31
SYNC DET
CLK1(9.56MHz)
HSYNC
VSYNC
CDE
RESET
SM CK
SM RX
SM TX
SM RST
SM SI
SM SO
SM SCK
SM NMI
Q2 RST
DOT INM
PD
RST
DATAVALID
CLK2
V-CLK
H-CLK
Y OUT7
Y OUT6
Y OUT5
Y OUT4
Y OUT3
Y OUT2
Y OUT1
Y OUT0
CAP SYNC
COMP IN
VIN
R
G
B
NRGB
V SYNC
H SYNC
A
B
C
D

8.4. Sub/Switch Block

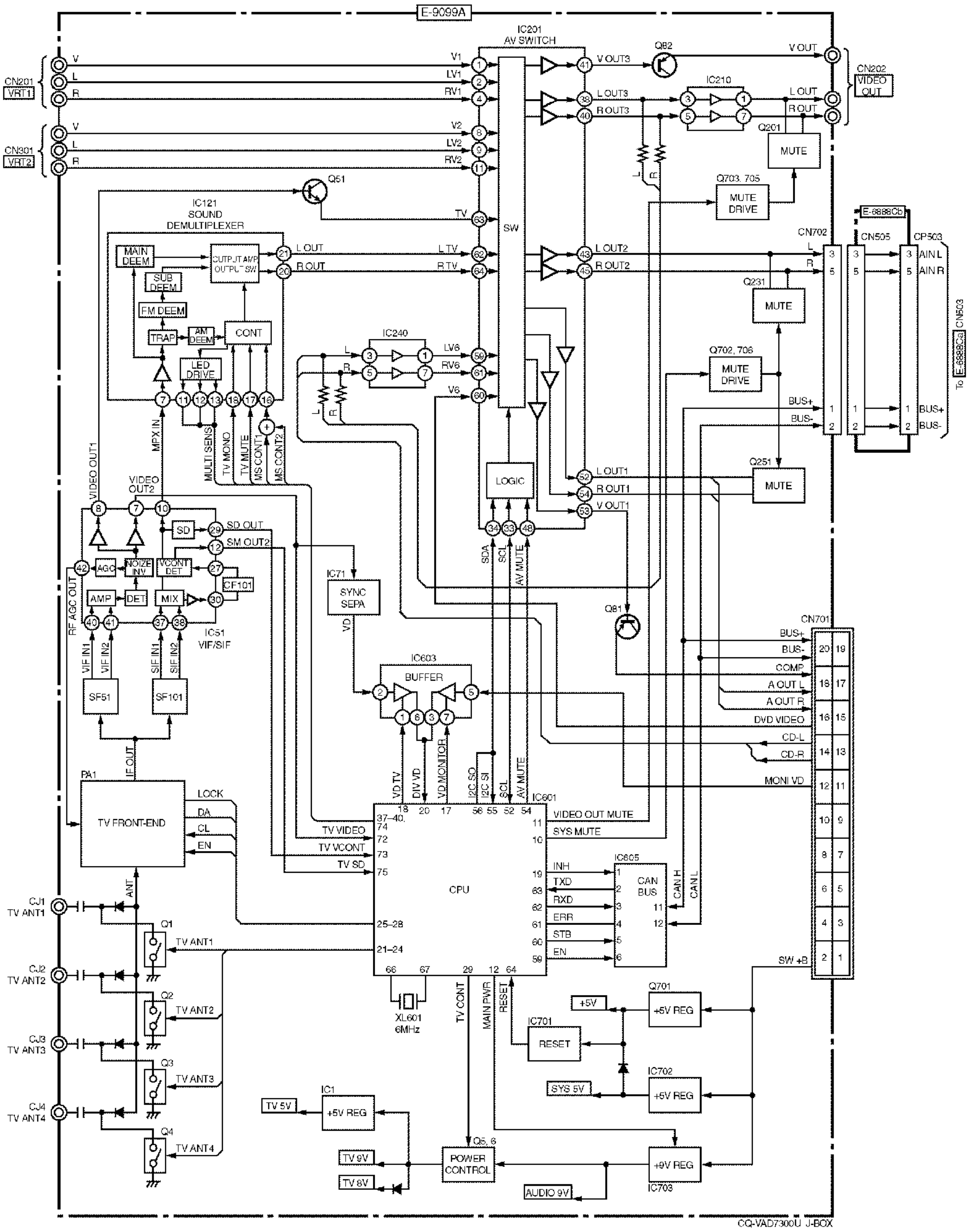

E-9146Db
IC401
DC/DC CONVERTER CONTROL
CN401
Q404
PWR SW
VCC
IN1+
OUT1
Q402,403
ON/OFF DRIVE
COMP
SW
SCP
SAWTOOTH GENERATOR
Q401
CURR DET
Q405
CURR DET
T401
OUT2
Q406,407
ON/OFF DRIVE
COMP
IN2+
VR401
Q411
REG
CN403
To
E-9146Da
CN702
BATT 12V 1
BATT 12V 2
SYS 12V 3
SYS 12V 4
CN402
MONI CONT 23
+5V 5
+3.3V 7
+17V 3
I2C DATA 8
I2C CLK 4
VSYNC 20
HSYNC 9
CSYNC 22
R 19
G 15
B 11
CLAMP MD 18
POL 16
BLACK 14
VCOM 12
PWM 10
DIMSENS 1
KEY4 24
SYS 5V 30
MA 29
MB 28
MC 27
NECK SW 26
PULSE IN 25
To
E-9146Da
CN405
1 BL8V
2 BL8V
9 +17V
6 +3.3V
8 +5V
7 -15V
29 I2C SDA
30 I2C SCL
27 VSYNC
25 HSYNC
24 CSYNC
22 R
21 G
20 B
26 CLAMP HD
17 POL
16 BLK
15 VCOM
12 PWM
13 DIM SENS
18 KEY4
5 SYS 5V
37 SYS 5V
34 SW12V
35 SW12V
40 MA
39 MB
38 MC
35 NECKSW
36 PULSE IN
To
E-9145Aa
CN901
To
Slide
Mechanism
Ass'y
E-9145Ab
CN151
JOY151
JOYSTICK KEY IN MATRIX
SW151–158
KEY IN MATRIX
KEY3 8
KEY2 7
KEY1 6
PON LED 3
LED 11
NAVI LED 2
SYS 5V 4
SYS 5V 5
RESET 9
RM IN 1
D153–160
D162
(ILLUMI)
D163
EJECT
Q153
D166
NAVI
D164
MODE
D171
DVD
SW160
IC151
IR RECEIVE
To
E-9146Da
CN404

CQ-VAD7300U SUB/SW

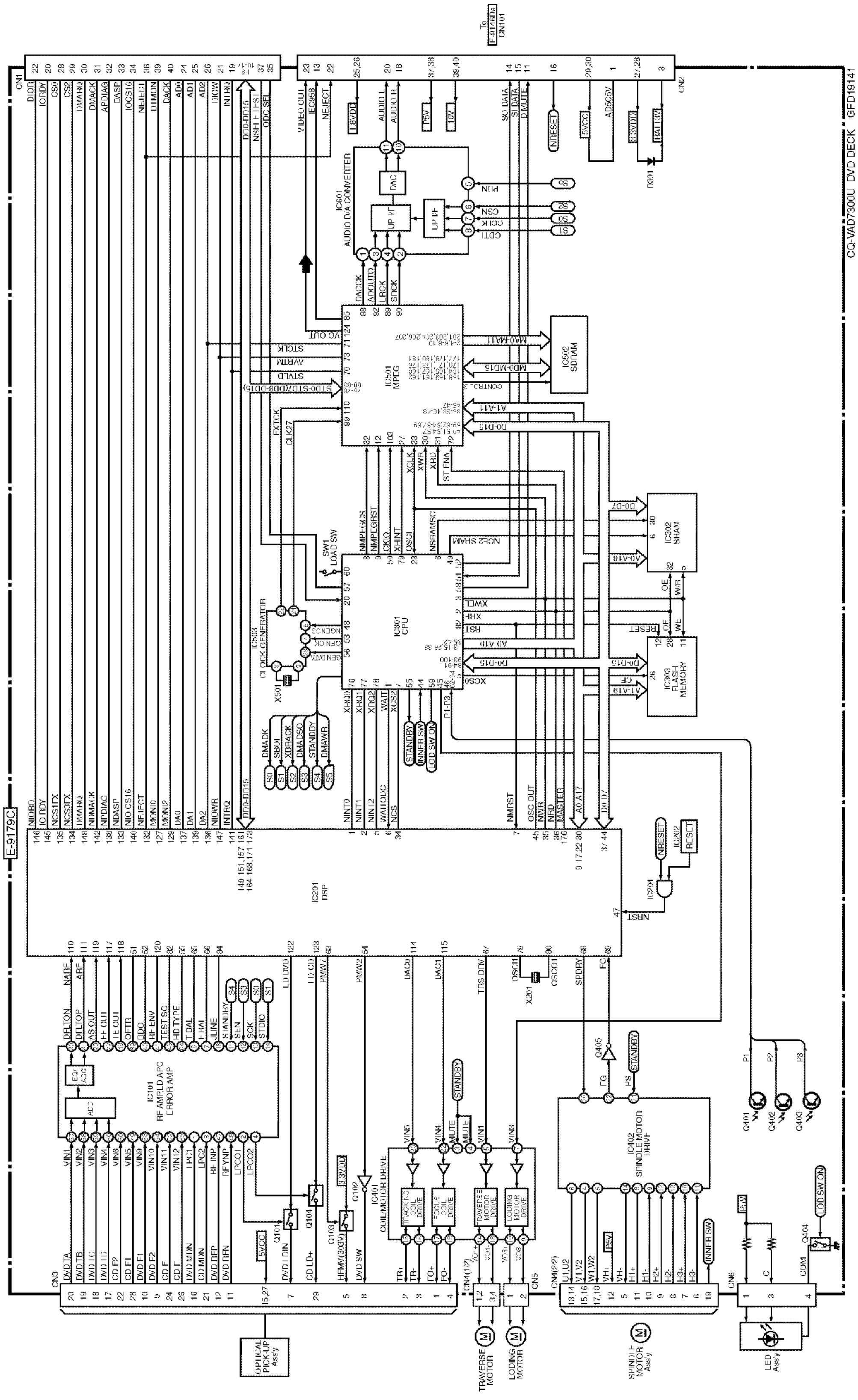
8.5. AMP Block


CQ-VAD7300U AMP
E-6888Ca
To E-6888Cb CP503
CN4 SUB WOOFER
CN3 FL FR PRE OUT
CN2 RL RR
CN701
IC208 LINE AMP
IC208 SUB WOOFER CONTROL
Q255 MUTE
Q253,254 Q353,354 MUTE
IC306 POWER AMP
IC305
IC207 LINE AMP
Q256,257 SWITCH
SUB W CNT
Q251,252 Q351,352 MUTE
Q707,708 MUTE DRIVE
Q719,720 MUTE DRIVE
Q701,702 POWER CONTROL
Q703,704 POWER CONTROL
Q601
Q714
IC209 AMP
IC603 SUB INTERFACE
CAN H
CAN L
BUS+
BUS−
AIN L
AIN R
Q716 REG
Q705,706 POWER CONTROL
Q709,710 POWER CONTROL
IC702 REG
SYS 12V
SYS 5V
Q711 REG
Q712 REG
Q717,718 POWER CONTROL
AUDIO 8V
IC704 REG
IC703 DC-DC CONV
AUDIO 5V
Q713 REG
AUDIO 15V
IC601 CPU
AMP MUTE
STBY
SYS MUTE
SW DATA CLK,SUB W CNT
VOL DATA
VOL CLK
VOL CE
BAND
SYS PWR
MAIN PWR
RADIO CNT
RESET
ACC SENS
BATT SENS
XL601 4HHz
IC302 BIAS DRIVE
IC301 ELECTRONIC VOLUME
AUDIO SELECT
PA401 FM/AM TUNER PACK
Q402,403 POWER CONTROL
IC602 INVERTER
IC701 BATT/ACC DETECT RESET
SW601 RESET SW
IC205 BIAS DRIVE
CN501 5V
CN502 CD C-IN
ANT401
CN501 CHANGER CONTROL
CH STB
CH CLK
CH DATA
CH ADP
CH REMO
BATT
ACC

8.6. J-Box Block

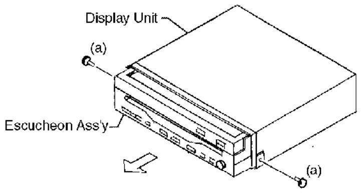

E-9099A
CN201 VRT1
CN301 VRT2
V
L
R
IC201 AV SWITCH
SW
V1
LV1
RV1
V2
LV2
RV2
TV
LTV
RTV
LV6
RV6
V6
V OUT3
L OUT3
R OUT3
L OUT2
R OUT2
L OUT1
R OUT1
V OUT1
Q82
IC210
V OUT
L OUT
R OUT
CN202 VIDEO OUT
Q201
MUTE
Q703, 705
MUTE DRIVE
Q231
Q702, 706
Q251
E-6888Cb
CN702
CN505
CP503
AIN L
AIN R
BUS+
BUS-
To E-6888Cd CN503
Q51
IC121 SOUND DEMULTIPLEXER
MAIN DEEM
SUB DEEM
FM DEEM
TRAP
AM DEEM
LED DRIVE
CONT
OUTPUT AMP OUTPUT SW
L OUT
R OUT
MPX IN
MULTI SENS
TV MONO
TV MUTE
MS CONT1
MS CONT2
IC240
LOGIC
SDA
SCL
AV MUTE
Q81
VIDEO OUT1
VIDEO OUT2
SD
SD OUT
SM OUT2
AGC
NOIZE INV
VCONT DET
CF101
AMP
DET
MIX
RF AGC OUT
IC51 VIF/SIF
VIF IN1
VIF IN2
SIF IN1
SIF IN2
SF51
SF101
IF OUT
PA1
TV FRONT-END
LOCK
DA
CL
EN
ANT
IC71
SYNC SEPA
VD
IC603
BUFFER
VD TV
DIV VD
VD MONITOR
I2C SO
I2C SI
SCL
AV MUTE
IC601
CPU
TV VIDEO
TV VCONT
TV SD
VIDEO OUT MUTE
SYS MUTE
INH
TXD
RXD
ERR
STB
EN
IC605
CAN BUS
CAN H
CAN L
CN701
BUS+
BUS-
COMP
A OUT L
A OUT R
DVD VIDEO
CD-L
CD-R
MONI VD
SW +B
XL601 6MHz
TV CONT
MAIN PWR
RESET
IC701
RESET
+5V
Q701
+5V REG
SYS 5V
IC702
+5V REG
IC1
TV 5V
+5V REG
TV 9V
TV 8V
Q5, 6
POWER CONTROL
AUDIO 9V
+9V REG
IC703
CJ1 TV ANT1
CJ2 TV ANT2
CJ3 TV ANT3
CJ4 TV ANT4
Q1
Q2
Q3
Q4
TV ANT1
TV ANT2
TV ANT3
TV ANT4
CQ-VAD7300U J-BOX

8.7. DVD Deck Block

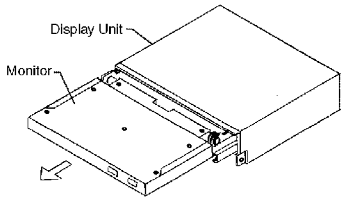

CQ-VAD7300U DVD DECK GFD19141
E-9179C
To E-9148Da CN101
CN1
CN2
CN3
CN4(1/2)
CN4(2/2)
CN5
CN6
IC201 DSP
IC101 RF AMP, LD APC ERROR AMP
IC401 COIL/MOTOR DRIVE
IC402 SPINDLE MOTOR DRIVE
IC501 MPEG
IC502 SDRAM
IC601 AUDIO D/A CONVERTER
IC801 CPU
IC802 SRAM
IC803 FLASH MEMORY
IC503 CLOCK GENERATOR
IC202 RESET
IC204
SW1 LOAD SW
TRACKING COIL DRIVE
FOCUS COIL DRIVE
TRAVERSE MOTOR DRIVE
LODING MOTOR DRIVE
OPTICAL PICK-UP Assy
TRAVERSE MOTOR
LODING MOTOR
SPINDLE MOTOR Assy
LED Assy
Q101
Q102
Q103
Q104
Q401
Q402
Q403
Q404
Q405
X201
X501
D601

9. DISASSEMBLY INSTRUCTIONS

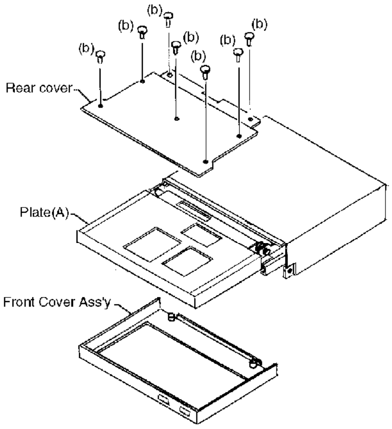
1. Remove 2 screws (a) and the Escutheon Ass'y from the Display Unit.


Display Unit
(a)
Escucheon Ass'y
(a)

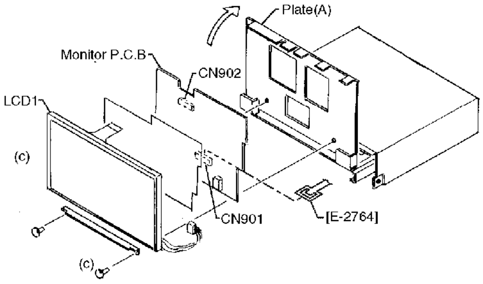
2. Pull out the Monitor from the Display Unit.


Display Unit
Monitor

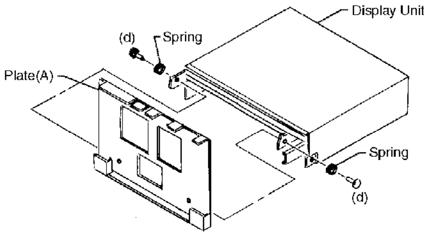
3. Remove 6 screws (b) from the Rear Cover.
4. Remove the Rear Cover and the Front Cover Ass'y from the Plate(A).


(b)
(b)
(b)
(b)
(b)
(b)
(b)
Rear cover
Plate(A)
Front Cover Ass'y

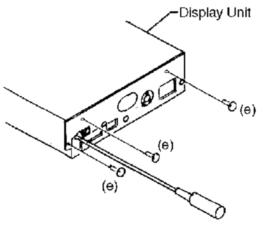
5. Set up the Monitor to the arrow direction showing below.
6. Remove 2 screws (c) from the Bracket for LCD1.
7. Disconnect the Flexible PCB (E-2764) from CN901 (Monitor PCB).
8. Disconnect the Flexible PCB for LCD1 from CN902 (Monitor PCB).
9. Remove LCD1 and Monitor PCB (E-9145A) from the Plate(A).


Plate(A)
Monitor P.C.B
CN902
LCD1
(c)
CN901
[E-2764]
(c)

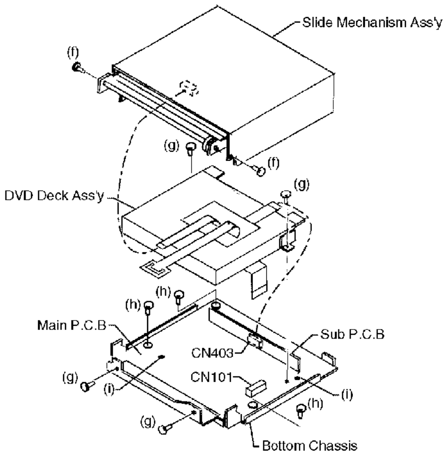
10. Remove 2 screws (d)and spring from the Display Unit.
11. Remove the Plate(A) from the Display Unit.


Display Unit
(d)
Spring
Plate(A)
Spring
(d)

12. Remove 3 screws (e) from the Display Unit.


Display Unit
(e)
(e)
(e)

13. Remove 2 screws (h) from the Slide Mechanism Ass'y.
14. Disconnect the Flexible PCB from Slide Mechanism Ass'y and remove the Slide Mechanism Ass'y from the Bottom Chassis.
15. Remove 4 screws (g) from the Bottom Chassis.
16. Disconnect the 2 Flexible PCBs from CN101 (Main PCB :E-9146Da) and CN403 (Sub PCB :E-9146Db).
17. Remove 3 screws (h) from the Main PCB (E-9146Da).
18. Unsolder 2 nails (i) and remove the Main PCB (E-9146Da).


Slide Mechanism Ass'y
(f)
(g)
(f)
(g)
DVD Deck Ass'y
(h)
(h)
Main P.C.B
Sub P.C.B
CN403
CN101
(g)
(i)
(i)
(h)
(g)
Bottom Chassis

10. TERMINALS DESCRIPTION

10.1. Main Block

IC511 : C2DBYJ000008

Pin No.	Name	Description	I/O	(V)
1	VDD RTC	Positive power supply (1.9V)	-	1.9
2	NC	-	-	-
3	EXTAL2	-	I	2.3
4	VSS RTC	GND	-	0
5-10	NC	-	-	-
11	VSSQ	GND	-	0
12	NC	-	-	-
13	VDDQ	Positive power supply (3.3V)	-	3.3
14-18	NC	-	-	-
19	VSS	GND	-	0
20	NC	-	-	-
21	VDD	Positive power supply (3.3V)	-	1.9
22-24	NC	-	-	-
25	VSSQ	GND	-	0
26	D15	Data bus 15	I/O	0
27	VDDQ	Positive power supply (3.3V)	-	3.3
28	D14	Data bus 14	I/O	0
29	D13	Data bus 13	I/O	0.5
30	D12	Data bus 12	I/O	0
31	D11	Data bus 11	I/O	0.5
32	D10	Data bus 10	I/O	0.5
33	D9	Data bus 9	I/O	0.5
34	D8	Data bus 8	I/O	0.5
35	D7	Data bus 7	I/O	0.5
36	D6	Data bus 6	I/O	0.5
37	VSSQ	GND	-	0
38	D5	Data bus 5	I/O	0.5
39	VDDQ	Positive power supply (3.3V)	-	3.3
40	D4	Data bus 4	I/O	0.5
41	D3	Data bus 3	I/O	0.5
42	D2	Data bus 2	I/O	0.5
43	D1	Data bus 1	I/O	0.5
44	D0	Data bus 0	I/O	0.5
45	NC	-	-	-
46	A1	Address bus 1	O	3.2
47	A2	Address bus 2	O	0
48	A3	Address bus 3	O	0
49	VSSQ	GND	-	0
50	A4	Address bus 4	O	3.2

Pin No.	Name	Description	I/O	(V)
51	VDDQ	Positive power supply (3.3V)	-	3.3
52	A5	Address bus 5	O	3.2
53	A6	Address bus 6	O	3.2
54	A7	Address bus 7	O	0
55	A8	Address bus 8	O	0
56	A9	Address bus 9	O	3.2
57	A10	Address bus 10	O	3.2
58	A11	Address bus 11	O	0
59	A12	Address bus 12	O	0
60	A13	Address bus 13	O	0
61	VSSQ	GND	-	0
62	A14	Address bus 14	O	0
63	VDDQ	Positive power supply (3.3V)	-	3.3
64	A15	Address bus 15	O	0
65	A16	Address bus 16	O	0
66	A17	Address bus 17	O	0
67	A18	Address bus 18	O	0
68	A19	Address bus 19	O	0
69	A20	Address bus 20	O	3.3
70	A21	Address bus 21	O	0
71	VSS	GND	-	0
72	A22	Address bus 22	O	0
73	VDD	Positive power supply (3.3V)	-	1.9
74-77	NC	-	-	-
78	Q2SD RD	Lead strobing	O	3.2
79	WE U	(low rank)	O	3.2
80	WE L	(high rank)	O	3.3
81,82	NC	-	-	-
83	RD	R/W switch demand	O	3.3
84	VSSQ	GND	-	0
85	MASK CS	CS for MASK ROM	O	3.1
86	VDDQ	Positive power supply (3.3V)	-	3.3
87	NC	-	-	-
88	SDRAM CS	CS area 3 for SDRAM	O	3.3
89	Q2SD CS RAM	UGM of area 4CS Q2SD	O	3.3
90	Q2SD CS RES	Register of area 5CS Q2SD	O	3.3
91,92	NC	-	-	-
93	VSSQ	GND	-	0

Pin No.	Name	Description	I/O	(V)
94	NC	-	-	-
95	VDDQ	Positive power supply (3.3V)	-	3.3
96	SDRAM RASL	RAS for SDRAM(low rank 32Mbyte use)	O	3.3
97	NC	-	-	-
98	SDRAM CAS	CAS for SDRAM(low rank 32Mbyte use)	O	3.3
99	NC	-	-	-
100	CKE	CK enable	O	3.3
101	NC	-	-	-
102	NC	-	-	-
103	BREQ	Bus demand	I	3.3
104	Q2SD WAIT	Hardware weight demand input	I	2.9
105	Q2SD DACK	DMA Acc	O	3.3
106-114	NC	-	-	-
115	VSS	GND	-	0
116	NC	-	-	-
117	VDD	Positive power supply (3.3V)	-	1.9
118-121	NC	-	-	-
122	ASEMDO	-	I	3.3
123	VDD PLL1	Positive power supply (1.9V)	-	1.9
124	CAP1	External capacity terminal for PLL	-	0.9
125	VSS PLL1	GND	-	0
126	VSS PLL2	GND	-	0
127	CAP2	External capacity terminal for PLL	-	0.8
128	VDD PLL2	Positive power supply (1.9V)	-	1.9
129	MD1	Clock mode selection	I	3.3
130	VSS	GND	-	0
131	CLOCK OUT	System clock	O	1.7
132	CLOCK IN	System clock	I	1.7
133	NC	-	-	-
134	NC	-	-	-
135	FROM WR DET	FLASH ROM writing mode setting port	I/O	0

Pin No.	Name	Description	I/O	(V)
136	NC	-	-	-
137	VSSQ	GND	-	0
138	CLK OUT	System clock I/O	I/O	1.5
139	VDDQ	Positive power supply (3.3V)	-	3.3
140	SCI TX	Cereal data transmission	O	3.3
141	SCI CLK	Cereal clock output	I/O	1
142	FROM TXD	Writing data transmission terminal for FLASH ROM	O	0
143144	NC	-	-	-
145	SCI RX	Cereal data reception	I	3.1
146	FROM RXD	Writing data receiving end child for FLASH ROM	I	0
147	NC	-	-	-
148	VSS	GND	-	0
149	RESET M	Manual reset input pull-up fixation	I	3.3
150	VDD	Positive power supply (3.3V)	-	1.9
151	Q2SD INTR REQ	Q2SD interrupt request	I	3.3
152	IRQ1/IRL1/ PTH[0]	-	I/O	3.3
153	IRQ2/IRL2/ PTH[1]	-	I/O	3.3
154	IRQ3/IRL3/ PTH[2]	-	I/O	3.3
155	IRQ4/ PTH[4]	-	I/O	0
156	VSSQ	GND	-	0
157	V850 INTR	Nommascabl interrupt	I	3.3
158	VDDQ	Positive power supply (3.3V)	-	3.3
159	NC	-	-	-
160	Q2SD DREQ	DMA demand	I	3.3
161	NC	-	-	-
162	NC	-	-	-
163	MD0	Clock mode selection	I	0
164	MD2	Clock mode selection	I	0
165	RESET P	Reset input	I	3.3
166	CA	Chip actively	I	3.3

Pin No.	Name	Description	I/O	(V)
167	BUS SETUP2	Width setting of 0 buses in area	I	0
168	BUS SETUP1	Width setting of 0 buses in area	I	3.3
169	MD5	Endian setting	I	0
170	AVSS	GND	-	0
171	NC	-	-	-
172	NC	-	-	-
173	NC	-	-	-
174	NC	-	-	-
175	AVDD	Positive power supply (3.3V)	-	3.3
176	AVSS	GND	-	0

IC601 : C2CBKJ000060

Pin No.	Name	Description	I/O	(V)			
				FM	AM	TV	DVD
1	NC	(Connecting to GND)	I	0	0	0	0
2	NC	(Connecting to GND)	I	0	0	0	0
3	NC	(Connecting to GND)	I	0	0	0	0
4	NC	(Connecting to GND)	I	0	0	0	0
5	Q2SD RESET	Reset output for Q2SD	O	5.1	5.1	5.1	5.1
6	GND	GND	-	0	0	0	0
7	CPUREG	Connection pin for reg. capacitor	-	3.1	3.1	3.1	3.1
8	VDD	+5V power supply	-	5.1	5.1	5.1	5.1
9	X2	Main system clock	-	1.4	1.4	1.4	1.4
10	X1	Main system clock	-	1.3	1.3	1.3	1.3
11	RESET	System reset input	-	5.1	5.1	5.1	5.1
12	CLKOUT(NC)	-	-	-	-	-	-
13	VPP/IC	Internal connection	-	0	0	0	0
14	TV CNT	(TV power control signal)	O	0	0	0	0
15	VIDEO CONT	Video control signal	I	5.0	5.0	5.0	5.1
16	SIDE BREAK	Side brake signal	I	0	0	0	0

Pin No.	Name	Description	I/O	(V)			
				FM	AM	TV	DVD
17	REVERSE	Reverse detection signal	I	5.0	5.0	5.0	5.1
18	DECK PWR(NC)	-	-	5.2	5.2	5.2	5.2
19	DECK 10V(NC)	-	-	5.2	5.2	5.2	5.2
20	DOT INH	PLL inhibition output for Q2SD dot clock	O	0	0	0	0
21	TN CONT	Nabis remote control data signal output select	O	0	0	0	0
22	GND	GND	-	0	0	0	0
23	I2C DATA	I2C BUS data output	O	5.1	5.1	5.1	5.2
24	AV MUTE	MUTE signal output for AV switch	O	0	0	0	0
25	I2C CLK	I2C BUS clock	O	5.1	5.1	5.1	5.2
26	SH3 NMI	Output for SH3NMI interrupt	O	5.1	5.1	5.1	5.1
27	SH3 SI	SH3 serial data input	I	5.1	5.1	5.1	5.1
28	SH3 SO	SH3 serial data output	O	4.8	4.8	4.8	4.8
29	SH3 SCK	SH3 clock signal output	O	1.5	1.5	1.5	1.5
30	SH3 RESET	Reset signal output for SH3 and FLASH ROM	O	5.1	5.1	5.1	5.1
31	PD	Digital video decoder power down signal output port	O	0	0	0	0
32	REMO DATA	Remote controller signal	I	5.1	5.1	5.1	5.1
33	ERR	CAN error display signal	I	5.1	5.2	5.2	5.2
34	STB	CAN standby control signal	O	5.2	5.2	5.2	5.2
35	EN	CAN enable control signal	O	5.2	5.2	5.2	5.2
36	VOL CLK	Electronic volume clock	O	0	0	0	0

Pin No.	Name	Description	I/O	(V)			
				FM	AM	TV	DVD
37	VOL DATA	Electronic volume data output	O	0	0	0	0
38	GND	GND	-	0	0	0	0
39	EJECT LED	Eject key LED	O	0	0	0	5.1
40	NAVI LED	NAVI LED light up signal	O	0	0	0	0
41	PON LED	POWER ON LED light up signal	O	5.1	5.1	5.1	5.1
42	SH3 CA	SH3 chip active signal output	O	0	0	0	0
43	CAN TX	CAN transmit data output	O	5.2	5.2	5.2	5.2
44	CAN RX	CAN receive data input	I	5.2	5.2	5.2	5.2
45	BATT SENS	Battery power detection signal	I	5.2	5.2	5.2	5.2
46	V NAVI	NAVI screen change signal output	O	0	0	0	0
47	FAN CNT	FAN motor power supply control(OPEN)	O	5.1	5.1	5.1	5.1
48	ACC SENS	Accessory power detection signal	I	5.2	5.2	5.2	5.2
49	XT1	Sub system clock	-	1.2	1.2	1.2	1.2
50	XT2	Sub system clock	-	1.4	1.4	1.4	1.4
51	NECK SW	Monitor position detect signal	I	5.2	5.2	5.2	5.2
52	OPEN SW	Open position detect signal	I	0	0	0	0
53	CLOSE SW	Close position detect signal	I	5.2	5.2	5.2	5.2
54	PULSE	Monitor start position detect signal	I	5.1	5.1	5.1	5.1
55	MA	Motor control A signal	O	0	0	0	0
56	MB	Motor control B signal	O	0	0	0	0
57	MC	Motor control C signal	O	0	0	0	0
58	N/P TG(NC)	NTSC/PAL cutoff frequency select	-	-	-	-	-
59	PLL MUTE	FM transmitter mute	O	0	0	0	0

Pin No.	Name	Description	I/O	(V)			
				FM	AM	TV	DVD
60	SYS MUTE	Analog audio mute control signal	O	5.2	5.2	5.2	5.2
61	SP MUTE	Speaker mute signal	O	0	0	0	0
62	SYS PWR	System power control signal	O	5.0	5.0	5.0	5.0
63	MAIN PWR	Main power control signal	O	5.1	5.1	5.1	5.1
64	MONI CONT	Monitor power control signal	O	5.2	5.2	5.2	5.2
65	TRANSE CONT	FM transmitter control signal	O	0	0	0	0
66	PORTVDD	+5V power supply	-	5.2	5.2	5.2	5.2
67	PLL DATA	FM transmitter PLL BUS data output	O	0	0	0	0
68	PLL CLK	FM transmitter PLL BUS clock	O	0	0	0	0
69	PLL CE	FM transmitter PLL BUS chip enable	O	0	0	0	0
70	DVD CNT	DVD deck optical output control	O	5.2	5.2	5.2	5.2
71	PORTGND	GND for port output	-	0	0	0	0
72	DVD NSLEEP	DVD deck standby output(OPEN)	O	5.2	5.2	5.2	5.2
73	DVD RESET	DVD deck microcomputer reset signal output	O	0	0	0	0
74	DVD MUTE	DVD mute demand input	I	0	0	0	3.3
75	DVD DATA IN	DVD deck data input	I	4.9	4.9	4.9	4.9
76	DVD DATA OUT	DVD deck data output	O	5.1	5.1	5.1	5.1
77	DVD EJECT	DVD eject signal output(OPEN)	O	0	0	0	0
78	FRAM CS	F RAM chip selection	O	5.2	5.2	5.2	5.1
79	FRAM DI	F RAM serial data input	O	0	0	0	0

Pin No.	Name	Description	I/O	(V)			
				FM	AM	TV	DVD
80	FRAM DO	F RAM serial data output	O	0	0	0	0
81	FRAM CLK	F RAM clock signal output	O	0	0	0	0
82	F RAM WP	F RAM write-protection signal output	O	0	0	0	0
83	RAM HOLD	FRAM Hold output	O	0	0	0	0
84	NAVI REMO PASS	Remote controller pass data select	O	5.2	5.2	5.2	5.2
85	NAVI REMO MAIN	Navigation remote control data signal select output	O	0	0	0	0
86	BEEP	Beep signal output	O	0	0	0	0
87	NAVI REMO OUT	Navi remote controller data output	O	0	0	0	0
88	NAVI DISP	Navi display ON detection signal	I	5.0	5.0	5.0	5.1
89	NAVI SENS	Navi connection detect signal	I	5.0	5.0	5.0	5.1
90	CAN INH	CAN inhibition signal input	I	5.3	5.3	5.3	5.3
91	A/D KEY1	A/D key 1 signal	I	5.1	5.1	5.1	5.1
92	A/D KEY2	A/D key 2 signal	I	5.1	5.1	5.1	5.1
93	A/D KEY3	A/D key 3 signal	I	5.1	5.1	5.1	5.1
94	A/D KEY4	A/D key 4 signal	I	5.0	5.0	5.0	5.0
95	ADCVDD	REF voltage for A/D converter	-	5.1	5.1	5.1	5.1
96	ADCGND	GND for A/D converter	-	0	0	0	0
97	EJECT KEY	Eject key input(GND connection)	I	0	0	0	0
98	DIMERSENS	Dimmer detection signal	I	2.7	2.7	2.7	2.6
99	NC	(Connecting to GND)	-	0	0	0	0
100	NC	(Connecting to GND)	-	0	0	0	0

10.2. Monitor Block

IC901 : C0HBA0000042

Pin No.	Name	Description	I/O	(V)
1	DVDD	+3.3V power supply	-	3.4
2	CPV	Clock at gate IC	O	0.6
3	OEV3	Output enable signal 3 at gate IC	O	0
4	OEV2	Output enable signal 2 at gate IC	O	0
5	OEV1	Output enable signal 1 at gate IC	O	0
6	STV	Start pulse at gate IC	O	0
7	OEH	Output enable signal of source IC	O	0.4
8	STH	Start pulse of source IC	O	0
9	CPH3	Clock 3 of source IC	O	1.6
10	CPH2	Clock 2 of source IC	O	1.6
11	CPH1	Clock 1 of source IC	O	1.6
12	DVSS	(Connecting to GND)	-	0
13	PD	Phase comparison output	O	1.7
14	/BP	PLL by-pass test	I	0
15	/PLL	PLL test	I	0
16	VCOI	VCO input	I	1.7
17	VCOO	VCO output	O	1.7
18	DVDD	+3.3V power supply	-	3.4
19	AVDD	+3.3V power supply	-	3.4
20	BPOV1	Low-pass filter 1 for multiplication circuit	O	0.5
21	BPOV2	Low-pass filter 2 for multiplication circuit	O	0.9
22	AGS	Low-pass filter for multiplication circuit	I	0
23	AVSS	(Connecting to GND)	-	0
24	DVSS	(Connecting to GND)	-	0
25	ZOOM	Zoom display	I	0
26	JUST	Just display	I	0
27	Z.J/SEL	Switch of mode zoom just	I	0
28	SIDE1	Side black 1	I	0
29	SIDE2	Side black 2	I	0
30	UONS (NC)	-	-	-
31	VPOS3 (NC)	-	-	-

Pin No.	Name	Description	I/O	(V)
32	VPOS2	Vertical display position switch 2	I	3.3
33	VPOS1	Vertical display position switch 1	I	3.2
34	VPOS0	Vertical display position switch 0	I	3.2
35	HPOS4	Horizontal display position switch 4	I	3.2
36	HPOS3 (NC)	-	-	-
37	HPOS2 (NC)	-	-	-
38	HPOS1	Horizontal display position switch 1	I	3.2
39	HPOS0	Horizontal display position switch 0	I	3.4
40	DVSS	(Connecting to GND)	-	0
41	RESET	Reset input	I	3.4
42	PAIR (NC)	-	-	-
43	DMODE (NC)	-	-	-
44	COPY	Copy guard mode switch	I	3.2
45	HDOT	Dot number switch	I	3.2
46	PN	-	-	0
47	DVDD	+3.3V power supply	-	3.4
48	SYNCIN	Synchronous compound input	I	1.2
49	SYNCOUT	Synchronous reverse polarity compound output	I/O	3.3
50	HDBIN	Horizontal synchronization input	I	3.3
51	VIN	Synchronous vertical separates input	I	0
52	VOUT	Reversing output of synchronous vertical separates input	O	3.3
53	VDFIN	Synchronous vertical separates delay input	I	3.3
54	VDFOUT (NC)	-	-	-
55	HDOUT0	Horizontal synchronization output	O	3.3
56	HDOUT1	Horizontal synchronization output 1	O	3.3

Pin No.	Name	Description	I/O	(V)
57	HDSEL (NC)	-	-	-
58	VDOUT0	Vertical synchronization output	O	3.3
59	INT/EXT (NC)	-	-	-
60	VDMODE (NC)	-	-	-
61	BLK	Black signal output	O	1.9
62	POL1	Inversion signal 1	O	1.9
63	POL2 (NC)	-	-	-
64	ZOOMC (NC)	-	-	-

10.3. AMP Block

IC601 : C2CBKG000007

Pin No.	Port	Descriptions	I/O(V)	FM (V)	AM (V)
1	ERR	CAN error indication	I	5.0	5.0
2	STB	CAN standby digital control signal	O	4.9	4.9
3	EN	CAN enable digital control signal	O	4.9	4.9
4	NMUTE	NAVI voice guide detection signal	I	0	0
5	BMUTE	BUS mute signal	I	5.0	5.0
6	SYS MUTE F	System mute signal (Front)	O	4.9	4.9
7	MAIN PWR	Main power control signal	O	4.9	4.9
8	SYS PWR	System power control signal	O	4.8	4.8
9	ANT CNT	Motor antenna control signal	O	4.9	4.9
10	P31	(Connecting to GND)	-	0	0
11	VSS	(Connecting to GND)	-	0	0
12	P32	(Connecting to GND)	-	0	0
13	P33	(Connecting to GND)	-	0	0
14	P34	(Connecting to GND)	-	0	0
15	P35	(Connecting to GND)	-	0	0
16	P36	(Connecting to GND)	-	0	0
17	VOL CE	Electronic volume IC chip enable	O	0	0
18	VOL DATA	Electronic volume data	O	0	0
19	VOL CLK	Electronic volume data shift clock	O	4.9	4.9
20	PLL CE	PLL chip enable	O	0	0
21	PLL DI	PLL data input	I	5.0	5.0
22	PLL CLK	PLL clock	O	4.9	4.9
23	VCC	+5V power supply	-	4.9	4.9
24	PLL DO	PLL data output	O	0	0
25	CH ADP	Twin changer adaptor detection signal	I	0	0
26	CH CLK	Changer BUS clock signal	I	0	0
27	C	Connection pin for external capacitor	-	3.2	3.2
28	CH DATA	Changer BUS data signal	I	0	0
29	TWCH C	Twin changer select control signal	O	4.9	4.9
30	PIC MUTE	Power amplifier mute control signal	O	4.9	4.9

Pin No.	Port	Descriptions	I/O(V)	FM (V)	AM (V)
31	STBY	Power amplifier stand-by signal	O	4.9	4.9
32	AMP CNT	External amplifier power control signal	O	4.9	4.9
33	MAININ CNT	(Ground Pull-down)	-	0	0
34	AVCC	+5V power supply for A/D converter	-	5.0	5.0
35	AVR+	+5V REF voltage + for A/D converter	-	5.0	5.0
36	AVR-	(Connecting to GND)	-	0	0
37	AVSS	(Connecting to GND)	-	0	0
38	SD	Radio SD signal	I	0.5	0
39	P61/AN1	(Connecting to GND)	-	0	0
40	P62/AN2	(Connecting to GND)	-	0	0
41	P63/AN3	(Connecting to GND)	-	0	0
42	VSS	GND	-	0	0
43	SUB.W.CUT	Sub. woofer output cut	O	0	0
44	SW CLK	Clock for sub. woofer control data	O	0	0
45	SW DATA	Sub. woofer control data	O	0	0
46	P67/AN7	(Connecting to GND)	-	0	0
47	P56/TINO	(Connecting to GND)	-	0	0
48	(NC)	(Connecting to GND)	-	0	0
49	MD0	Test mode	-	4.9	4.9
50	MD1	Test mode	-	4.9	4.9
51	MD2	Test mode	-	0	0
52	/HST	Hardware standby	-	4.9	4.9
53	NC	(Connecting to GND)	-	0	0
54	NC	(Connecting to GND)	-	0	0
55	NC	(Connecting to GND)	-	0	0
56	NC	(Connecting to GND)	-	0	0
57	NC	(Connecting to GND)	-	0	0
58	NC	(Connecting to GND)	-	0	0
59	NC	(Connecting to GND)	-	0	0
60	NC	(Connecting to GND)	-	0	0
61	NC	(Connecting to GND)	-	0	0
62	NC	(Connecting to GND)	-	0	0
63	NC	(Connecting to GND)	-	0	0
64	NC	(Connecting to GND)	-	0	0
65	CH REMO	Changer remote control signal	O	4.9	4.9
66	NC	(Connecting to GND)	-	0	0
67	NC	(Connecting to GND)	-	0	0
68	NC	(Connecting to GND)	-	0	0
69	TEST REMO	CAN inhibit signal	I	5.0	5.0
70	CH STB	Changer BUS strobe signal	I	0	0
71	BATT SENS	Back up power detection signal	I	5.3	5.3
72	ACC SENS	Accessory power detection signal	I	5.3	5.3
73	CAN TX	CAN transmit data	O	4.9	4.9
74	CAN RX	CAN receive data	I	5.0	5.0
75	NC	(Connecting to GND)	-	0	0
76	NC	(Connecting to GND)	-	0	0
77	RESET	System reset	-	5.0	5.0
78	PA0	(Connecting to ground)	-	0	0
79	X1A	No connection	-	-	-
80	X0A	(Ground Pull-down)	-	0	0
81	VSS	GND	-	0	0
82	X0	Main system clock	-	1.9	1.9
83	X1	Main system clock	-	2.2	2.2
84	VCC	+5V power supply	-	5.2	5.2

Pin No.	Port	Descriptions	I/O(V)	FM (V)	AM (V)
85	P00/IN0	Write-in	-	4.7	4.7
86	P01/IN1	Write-in	-	0	0
87	P02/IN2	(Connecting to GND)	-	0	0
88	STEREO	FM stereo signal detection	I	4.9	4.9
89	NC	(Connecting to GND)	-	0	0
90	BAND	AM/FM band select signal	O	4.9	0
91	RADIO CNT	Radio power control signal	O	4.9	4.9
92	P07/OUT3	(Connecting to GND)	-	0	0
93	P10/PPG0	(Connecting to GND)	-	0	0
94	P11/PPG1	(Connecting to GND)	-	0	0
95	P12/PPG2	(Connecting to GND)	-	0	0
96	P13/PPG3	(Connecting to GND)	-	0	0
97	P14/PPG4	(Connecting to GND)	-	0	0
98	P15/PPG5	(Connecting to GND)	-	0	0
99	P16/TIN1	(Connecting to GND)	-	0	0
100	P17/T0T1	(Connecting to GND)	-	0	0

Note :

Voltage measuerments are with respect to ground, with a voltmeter (internal resistance : 10M ohms).

10.4. J-BOX Block

IC601 : C2BBGF000356

Pin No.	Port	Descriptions	I/O (V)	(V)
1	NC	(Connecting to ground)	-	0
2	NC	(Connecting to ground)	-	0
3	NC	(Connecting to ground)	-	0
4	NC	(Connecting to ground)	-	0
5	NC	(Connecting to ground)	-	0
6	NC	(Connecting to ground)	-	0
7	NC	(Connecting to ground)	-	0
8	NC	(Connecting to ground)	-	0
9	NC	(Connecting to ground)	-	0
10	SYS MUTE	System mute	O	5.1
11	VIDEO OUT MUTE	Mute for Video Output	O	5.1
12	MAIN PWR	Main power control	O	5.1
13	NC	(Connecting to ground)	-	0
14	NC	(Connecting to ground)	-	0
15	NC	(Connecting to ground)	-	0
16	NC	(Connecting to ground)	-	0
17	VD MONI	Monitor V-SYNC switching	O	5.1
18	VD TV	TV V-SYNC switching	O	0
19	CAN INH	CAN-BUS inhibit	I	5
20	DIV VD	Diversity V-SYNC	I	5.1
21	TV ANT1	TV Ant. 1 switching signal	O	0
22	TV ANT2	TV Ant. 2 switching signal	O	0
23	TV ANT3	TV Ant. 3 switching signal	O	5.1
24	TV ANT4	TV Ant. 4 switching signal	O	5.1
25	TV LOCK	TV PLL lock signal	I	0
26	TV COM	TV PLL data	O	0

Pin No.	Port	Descriptions	I/O (V)	(V)
27	TV CLK	TV PLL clock	O	0
28	TV CE	TV PLL enable	I	0
29	TV CONT	TV power control	O	5.1
30	NC	(Connecting to ground)	-	0
31	NC	(Connecting to ground)	-	0
32	VDD0	+5V power supply	-	5.1
33	VSS0	Ground	-	0
34	NC	(Connecting to ground)	-	0
35	NC	(Connecting to ground)	-	0
36	NC	(Connecting to ground)	-	0
37	TV MONO	TV monaural forced output	O	0
38	TV MUTE	TV sound multiplex mute	O	0
39	MS CNT1	TV sound multiplex signal switching 1	O	0
40	MS CNT2	TV sound multiplex signal switching 2	O	0
41	NC	(Connecting to ground)	-	0
42	NC	(Connecting to ground)	-	0
43	NC	(Connecting to ground)	-	0
44	NC	(Connecting to ground)	-	0
45	NC	(Connecting to ground)	-	0
46	SI	Flash ROM data	I	0
47	SO	Flash ROM data	O	0
48	SCK	Flash ROM data shift clock	O	0
49	NC	(Connecting to ground)	-	0
50	NC	(Connecting to ground)	-	0
51	NC	(Connecting to ground)	-	0
52	NC	(Connecting to ground)	-	0
53	NC	(Connecting to ground)	-	0
54	AV MUTE	AV SW LSI mute	O	0
55	I2C SI	AV SW LSI serial data	I	5.1
56	I2C SO	AV SW LSI serial data	O	5.1
57	I2C SCL	AV SW LSI data shift clock	O	5.1
58	NC	(Connecting to ground)	-	0
59	EN	CAN BUS enable	O	5.1
60	STB	CAN BUS stand-by	O	5.1
61	ERR	CAN BUS error display	I	5.1
62	BUS RX	CAN BUS data	I	5.1
63	BUS TX	CAN BUS data	O	5.1
64	RESET	System reset	-	5.2
65	VPP	(Connecting to ground)	-	0
66	X2	Crystal oscillator terminal	-	1.4
67	X1	Crystal oscillator terminal	-	1.3
68	CPUREG	CPU power regulator	-	3.5
69	VDD1	+5V power supply	-	5.1
70	VSS1	Ground	-	0
71	AVREF1	+5V power supply	-	5.1
72	TV VIDEO	Video sig. for diversity Ant. switching	I	2.3
73	TV VCONT	TV field intensity	I	1.6
74	MALTI SENSE	TV sound multiplex stereo detection	I	5.1
75	TV SD	TV station detection	I	0
76	NC	(Connecting to ground)	-	0
77	NC	(Connecting to ground)	-	0
78	NC	(Connecting to ground)	-	0
79	NC	(Connecting to ground)	-	0
80	AVSS	Analog ground	-	0

10.5. DVD Deck Block

IC301 : MN102H60GAC

Pin No.	Port	Descriptions	I/O (V)	(V)
1	WAITODC	CPU Bus Control	I	3.4
2	NRE	CPU Bus Control	O	0
3	NWEL	CPU Bus Control	O	3.2
4	(NC)	-	-	-
5	NCSEXTROM	Flash ROM Chip Select	O	1.4
6	NSRAMCS	SRAM Chip Select	O	2.6
7	NCS	ODC Chip Select	O	3.3
8	NMPEGCS	MPEG Decoder Chip Select	O	3.4
9	NMPEGRST	MPEG Decoder Reset	O	3.4
10	NCSDAC	DAC Chip Select	O	3.4
11	(NC)	-	-	-
12	P57/XWORD	Low Fix	I	0
13	A0	CPU Address Bus	O	0.7
14	A1	CPU Address Bus	O	1.5
15	A2	CPU Address Bus	O	1.7
16	A3	CPU Address Bus	O	1.8
17	33VDD	+3.3V Power Supply	O	3.4
18	(NC)	-	-	-
19	VSS	GND	-	0
20	XI/PS1	Self Test Mode	I	3.3
21	(NC)	-	-	-
22	33VDD	+3.3V Power Supply	-	3.4
23	OSCI	Clock	I	0
24	(NC)	-	-	-
25	MODE	Mode Selector	I	0
26	A4	CPU Address Bus	O	1.6
27	A5	CPU Address Bus	O	2.3
28	A6	CPU Address Bus	O	0.7
29	A7	CPU Address Bus	O	2.6
30	A8	CPU Address Bus	O	0.9
31	A9	CPU Address Bus	O	2.4
32	A10	CPU Address Bus	O	0.7
33	A11	CPU Address Bus	O	2.4
34	33VDD	+3.3V power Supply	-	3.4
35	A12	CPU Address Bus	O	0.9
36	A13	CPU Address Bus	O	0.9
37	A14	CPU Address Bus	O	0.8
38	A15	CPU Address Bus	O	0.6
39	A16	CPU Address Bus	O	0.6
40	A17	CPU Address Bus	O	0
41	A18	Reserve for DVD3.5 / CPU Address Bus	O	0.4
42	A19	Reserve for DVD3.6 / CPU Address Bus	O	2.4
43	VREFN	VREFN	-	0
44	INNERSW	Inner Switch	I	3.3
45	LOADING	Loading Driver Command Value	O	1.7
46	(NC)	-	-	-
47	-	(Ground pull down)	-	0
48	NGENCS	Serial Bus Chip Select Clock Generator	O	3.0
49	NCE2SRAM	SRAM Standby Control	O	3.0

Pin No.	Port	Descriptions	I/O (V)	(V)
50	CKIO	MPEG DecoderCKIO	O	0
51	SI DATA	Serial Bus SI Data	I	2.9
52	SO DATA	Serial Bus SO Data	O	3.2
53	GENCK	Serial I/F Clock Generator SCK	O	3.0
54	VREFP	VREFP	-	3.4
55	STANDBY	Motor Driver Mute	O	3.2
56	GENDATA	Serial I/F Clock Generator SO	O	3.0
57	ODCSEL	ODC IF Select	O	3.3
58	DMUTE	Audio Mute (H: ON, L: OFF)	O	0
59	LODSWON	Photo Enable	O	0
60	LODSW	LOADING SW	I	3.4
61	VSS	GND	-	0
62	P3	Photo SW (H: Close)	I	0
63	P2	Photo SW (H: Close)	I	0
64	P1	Photo SW (H: Close)	I	0
65	(NC)	-	-	-
66	33VDD	+3.3V Power Supply	-	3.4
67	S5	DAC Reset Control	O	3.4
68	S2	DAC Chip Select	O	3.4
69	(NC)	-	-	-
70	S0	DAC Data Shist Clock	O	3.4
71	(NC)	-	-	-
72	S1	DAC Serial Data	O	3.4
73	PLL UP0	Pull-up	I	3.3
74	PLL UP1	Pull-up	O	3.3
75	NMI	High Fix	I	3.4
76	XRQ0	Photo SW	O	0
77	XRO1	FEP reset	O	3.3
78	NINTADSC	ADSC Interrupt	I	3.3
79	NINTMPEG	AV Decoder Interrupt	I	3.3
80	HSLEEP	Power-off Interrupt	I	3.0
81	ADSEP	(High Level Fixed)	-	3.4
82	RST	System Reset	I	3.3
83	33VDD	+3.3V Power Supply	-	3.4
84	D0	CPU Data Bus	I/O	1.1
85	D1	CPU Data Bus	I/O	0.9
86	D2	CPU Data Bus	I/O	1.4
87	D3	CPU Data Bus	I/O	1.1
88	D4	CPU Data Bus	I/O	1.5
89	D5	CPU Data Bus	I/O	0.9
90	D6	CPU Data Bus	I/O	1.4
91	D7	CPU Data Bus	I/O	1.3
92	VSS	GND	-	0
93	D8	CPU Data Bus	I/O	1.6
94	D9	CPU Data Bus	I/O	1.5
95	D10	CPU Data Bus	I/O	1.8
96	D11	CPU Data Bus	I/O	1.0
97	D12	CPU Data Bus	I/O	1.8
98	D13	CPU Data Bus	I/O	1.8
99	D14	CPU Data Bus	I/O	2.0
100	D15	CPU Data Bus	I/O	1.9

11. ADJUSTMENT PROCEDURES

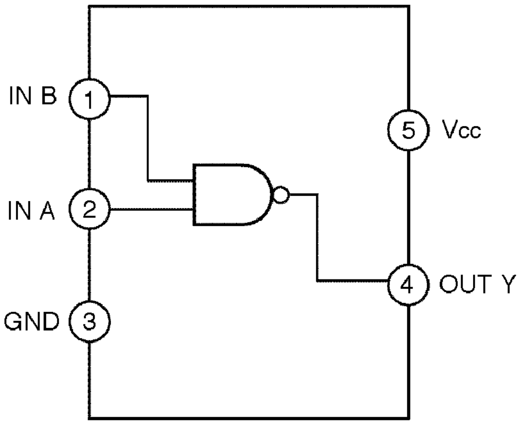
11.1. MONITOR BLOCK [E-9145Aa]

No.	Adjustment / Item	Adjustment / Point	Test Point	Adjustment Method	Remar
1	DC/DC Voltage	VR401	TP401 (+5V) / TP908 (VGND)	Adjust VR401 to 5.0V +0.05V, -0.0V at TP401	
2	VCO	VR901	TP902 (HD) / TP908 (VGND)	Adjust VR901 so that frequency is 15.734kHz ± 0.02kHz at TP902	Unit : VTR1 M AV IN : No sig

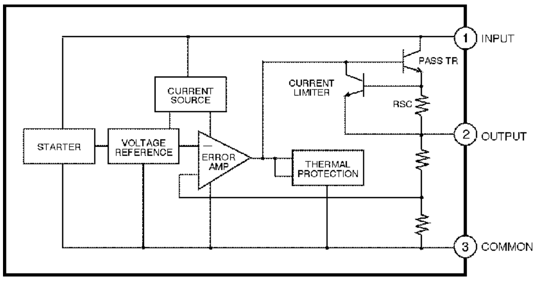
12. PACKAGE AND IC BLOCK DIAGRAM

12.1. Main Block

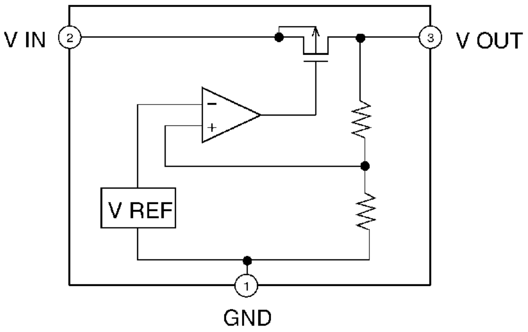
IC152 C0JBAA000102


IN B
1
5
Vcc
IN A
2
4
OUT Y
GND
3

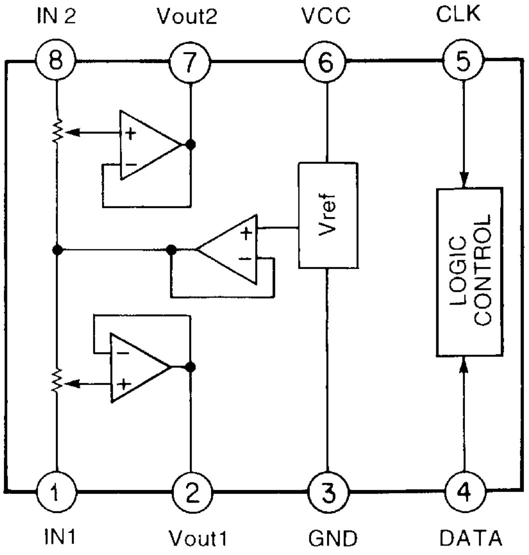
IC154 : YEAMC78L05E2


1
INPUT
PASS TR
CURRENT SOURCE
CURRENT LIMITER
RSC
STARTER
VOLTAGE REFERENCE
ERROR AMP
THERMAL PROTECTION
2
OUTPUT
3
COMMON

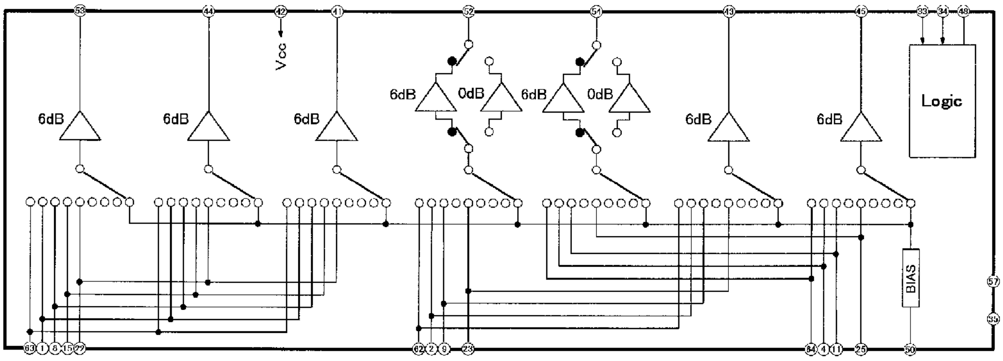
IC155 : YEAM7200U33T


V IN
2
3
V OUT
V REF
1
GND

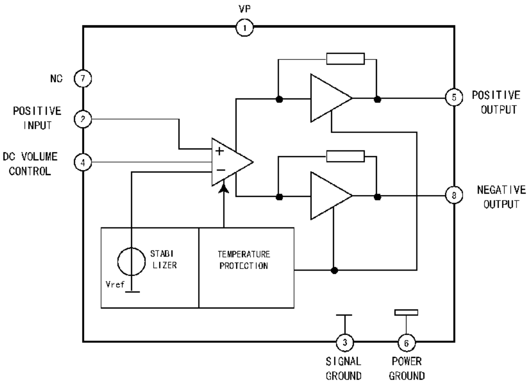
IC251 : YEAMM62429FP


IN 2
Vout2
VCC
CLK
8
7
6
5
Vref
LOGIC CONTROL
1
2
3
4
IN1
Vout1
GND
DATA

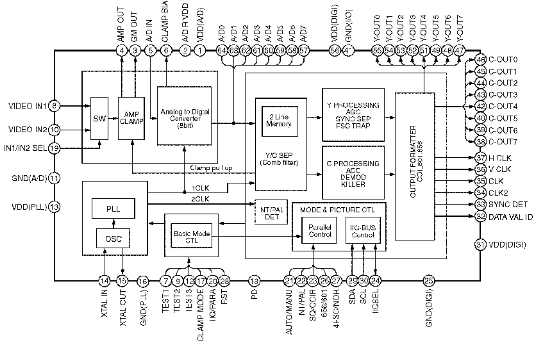
IC201 : C1AB00000459


53
44
42
41
52
51
43
45
33
34
48
Vcc
6dB
6dB
6dB
6dB
0dB
6dB
0dB
6dB
6dB
Logic
BIAS
57
35
63
1
8
15
22
62
2
9
23
64
4
11
25
50

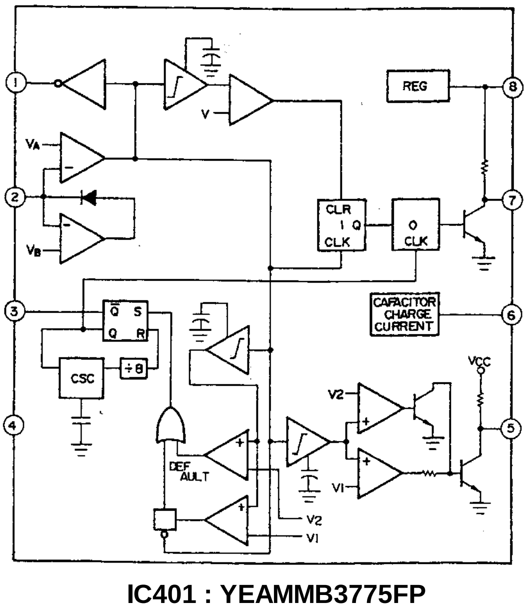
IC252 : YEAMTD7052A


VP
1
NC
7
POSITIVE INPUT
2
DC VOLUME CONTROL
4
+
−
STABI LIZER
Vref
TEMPERATURE PROTECTION
5
POSITIVE OUTPUT
8
NEGATIVE OUTPUT
3
SIGNAL GROUND
6
POWER GROUND

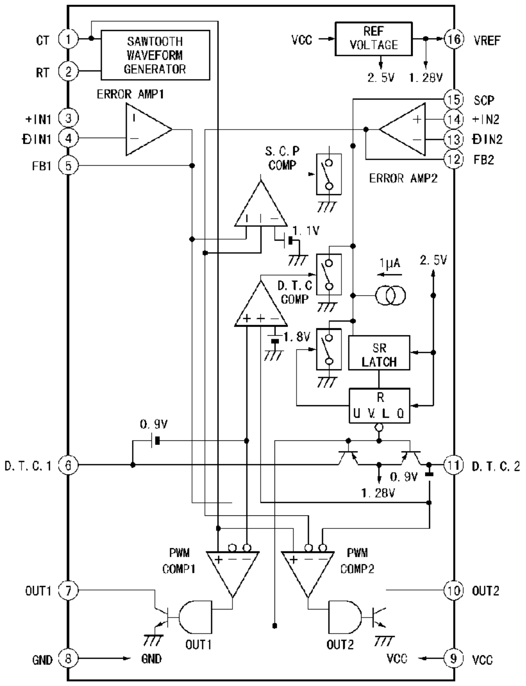
IC301 : C1AB00000350


AMP OUT 4
GM OUT 3
A/D IN 5
CLAMP BIAS 6
A/D R VDD 2
VDD(A/D) 1
A/D0 64
A/D1 63
A/D2 62
A/D3 61
A/D4 60
A/D5 59
A/D6 58
A/D7 57
VDD(DIGI) 56
GND(I/O) 4
Y-OUT0 55
Y-OUT1 54
Y-OUT2 53
Y-OUT3 52
Y-OUT4 51
Y-OUT5 49
Y-OUT6 48
Y-OUT7 47
VIDEO IN1 8
VIDEO IN2 10
IN1/IN2 SEL 19
GND(A/D) 11
VDD(PLL) 13
SW
AMP CLAMP
Analog to Digital Converter (8bit)
2 Line Memory
Y/C SEP (Comb filter)
Y PROCESSING AGC SYNC SEP FSC TRAP
C PROCESSING ACC DEMOD KILLER
OUTPUT FORMATTER CCI_601.656
Clamp pull up
1CLK
2CLK
PLL
OSC
Basic Mode CTL
NT/PAL DET
MODE & PICTURE CTL
Parallel Control
IIC-BUS Control
46 C-OUT0
45 C-OUT1
44 C-OUT2
43 C-OUT3
42 C-OUT4
40 C-OUT5
39 C-OUT6
38 C-OUT7
37 H CLK
36 V CLK
35 CLK
34 CLK2
33 SYNC DET
32 DATA VAL ID
31 VDD(DIGI)
14 XTAL IN
15 XTAL OUT
16 GND(PLL)
7 TEST1
9 TEST2
12 TEST3
17 CLAMP MODE
20 IIC/PARA
28 RST
18 PD
21 AUTO/MANU
22 NT/PAL
23 SQ/CCIR
26 656/601
27 4FSC/NOH
29 SDA
30 SCL
24 IICSEL
25 GND(DIGI)

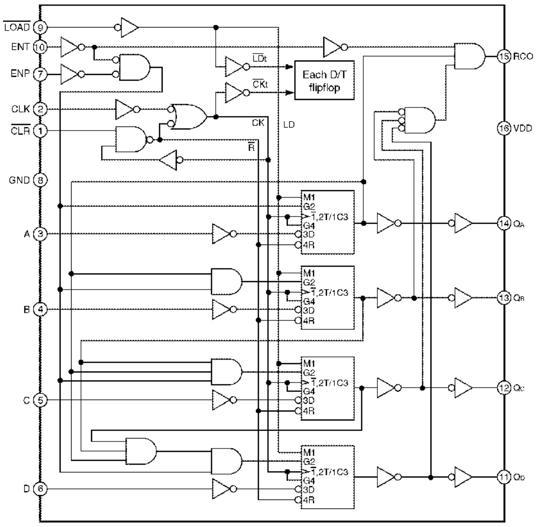
IC305 : YEAMLM1881M


1
V
VA
2
VB
3
4
REG
8
7
CLR
1 Q
CLK
Q
CLK
CAPACITOR CHARGE CURRENT
6
Q̄ S
Q R
CSC
÷8
DEF AULT
V2
VI
VCC
5
V2
VI

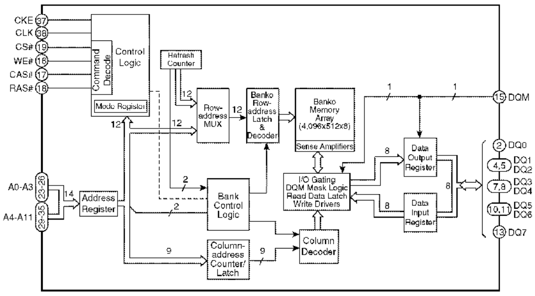
IC401 : YEAMMB3775FP


CT 1
RT 2
SAWTOOTH WAVEFORM GENERATOR
ERROR AMP1
+IN1 3
ÐIN1 4
FB1 5
VCC
REF VOLTAGE
16 VREF
2.5V
1.28V
15 SCP
14 +IN2
13 ÐIN2
12 FB2
ERROR AMP2
S.C.P COMP
1.1V
1μA
2.5V
D.T.C COMP
1.8V
SR LATCH
R
U.V.L.O
0.9V
D.T.C.1 6
11 D.T.C.2
0.9V
1.28V
PWM COMP1
PWM COMP2
OUT1 7
10 OUT2
OUT1
OUT2
GND 8
GND
VCC
9 VCC

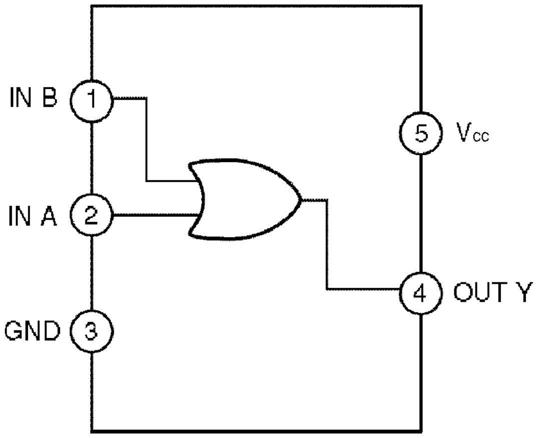
IC502,503,510 : C0JBAK000189


LOAD 9
ENT 10
ENP 7
CLK 2
CLR 1
GND 8
A 3
B 4
C 5
D 6
LDt
CKt
Each D/T flipflop
CK
LD
R
15 RCO
16 VDD
M1
G2
1,2T/1C3
G4
3D
4R
14 QA
13 QB
12 QC
11 QD

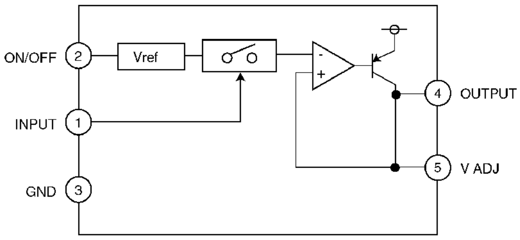
IC513 : C3ABPG0000125


CKE 37
CLK 38
CS# 19
WE# 16
CAS# 17
RAS# 18
Command Decode
Control Logic
Mode Register
Refresh Counter
12
Row-address MUX
12
12
12
Banko Row-address Latch & Decoder
Banko Memory Array (4,096x512x8)
Sense Amplifiers
1
1
15 DQM
A0-A3 23-26
A4-A11 29-35
14
Address Register
2
2
Bank Control Logic
I/O Gating DQM Mask Logic Read Data Latch Write Drivers
8
8
8
Data Output Register
Data Input Register
9
9
Column-address Counter/ Latch
Column Decoder
2 DQ0
4,5 DQ1 DQ2
7,8 DQ3 DQ4
10,11 DQ5 DQ6
13 DQ7

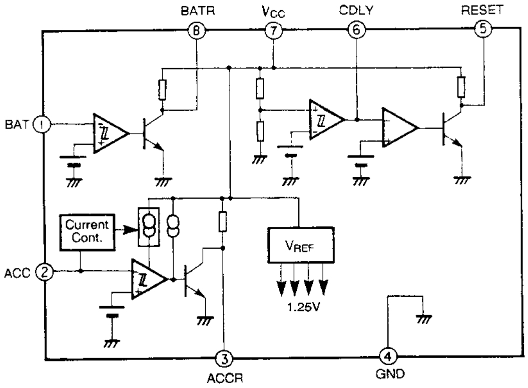
IC515 : YEAMT7SH32UL


IN B
1
IN A
2
GND
3
5
Vcc
4
OUT Y

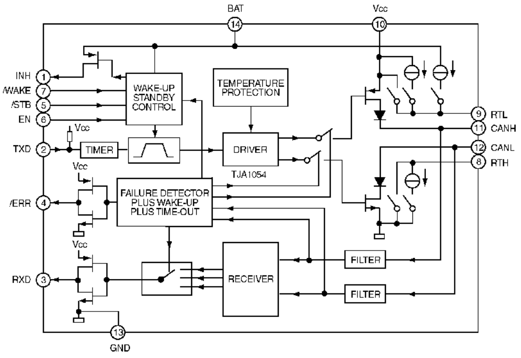
IC701 : C0DBEKG00001


ON/OFF
2
Vref
INPUT
1
GND
3
4
OUTPUT
5
V ADJ

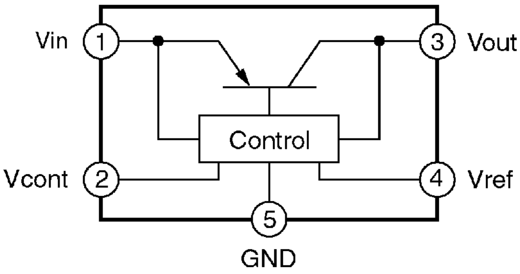
IC602 : AN8065SE1


BATR
8
Vcc
7
CDLY
6
RESET
5
BAT
1
Current Cont.
ACC
2
VREF
1.25V
3
ACCR
4
GND

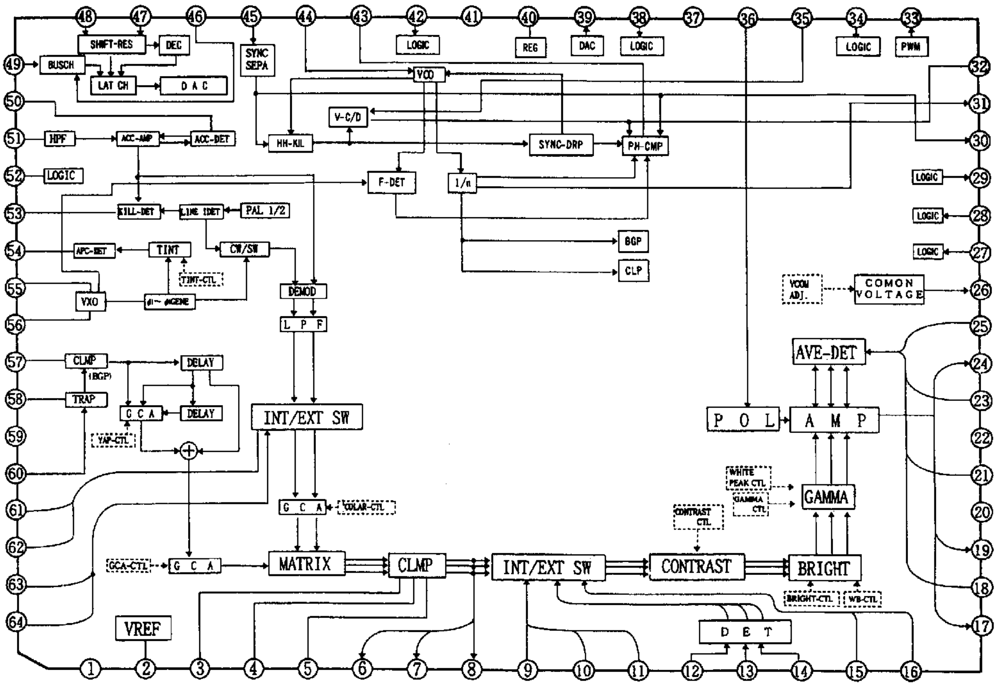
IC603 : C1EB00000039


BAT
14
Vcc
10
INH
1
/WAKE
7
/STB
5
EN
6
TXD
2
Vcc
/ERR
4
Vcc
Vcc
RXD
3
13
GND
WAKE-UP STANDBY CONTROL
TEMPERATURE PROTECTION
TIMER
DRIVER
TJA1054
FAILURE DETECTOR PLUS WAKE-UP PLUS TIME-OUT
RECEIVER
FILTER
FILTER
9
RTL
11
CANH
12
CANL
8
RTH

IC711,712,714 : C0DBEZG00010

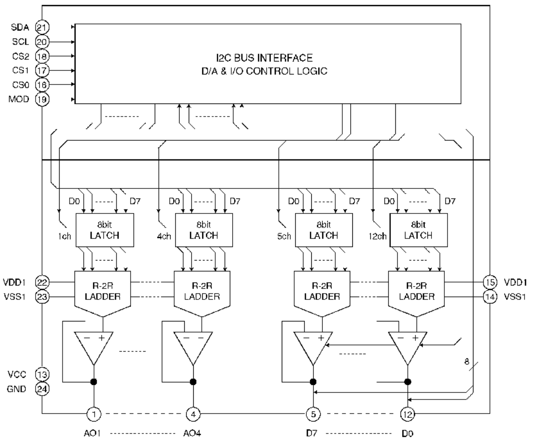

Vin
1
Vout
3
Control
Vcont
2
Vref
4
5
GND

IC801 : AN2526FH

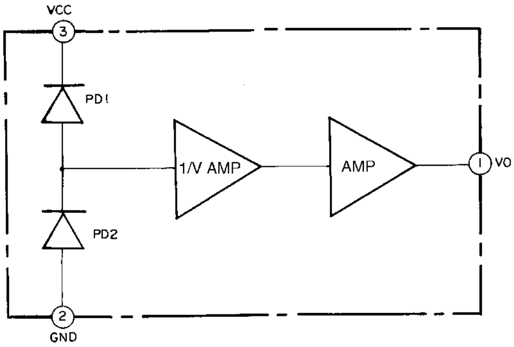

SHIFT-RES
DEC
BUSCH
LAT CH
D A C
SYNC SEPA
LOGIC
REG
DAC
LOGIC
LOGIC
PWM
VCO
V-C/D
HPF
ACC-AMP
ACC-DET
HH-KIL
SYNC-DRP
PH-CMP
LOGIC
F-DET
1/n
KILL-DET
LINE IDET
PAL 1/2
APC-DET
TINT
CW/SW
TINT-CTL
VXO
DEMOD
L P F
BGP
CLP
LOGIC
LOGIC
LOGIC
VCOM ADJ.
COMON VOLTAGE
CLMP
(BGP)
TRAP
DELAY
G C A
DELAY
YAP-CTL
INT/EXT SW
AVE-DET
P O L
A M P
WHITE PEAK CTL
GAMMA CTL
GAMMA
G C A
COLAR-CTL
CONTRAST CTL
GCA-CTL
G C A
MATRIX
CLMP
INT/EXT SW
CONTRAST
BRIGHT
BRIGHT-CTL
WB-CTL
VREF
D E T

12.2. Monitor Block

IC905 : C0FBBD000038

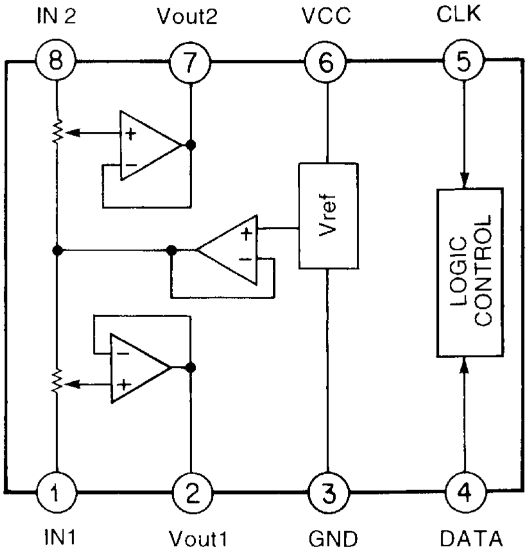

SDA 21
SCL 20
CS2 18
CS1 17
CS0 16
MOD 19
I2C BUS INTERFACE
D/A & I/O CONTROL LOGIC
D0
D7
8bit LATCH
1ch
4ch
5ch
12ch
R-2R LADDER
VDD1 22
VSS1 23
15 VDD1
14 VSS1
VCC 13
GND 24
8
1
4
5
12
AO1
AO4
D7
D0

IC906 : PNA4603H

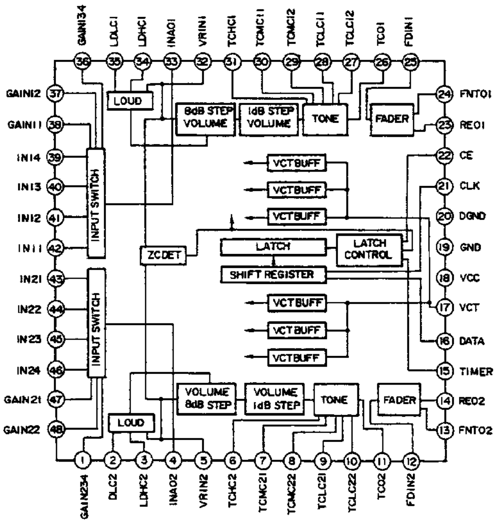

VCC
3
PD1
1/V AMP
AMP
1
VO
PD2
2
GND

12.3. AMP Block

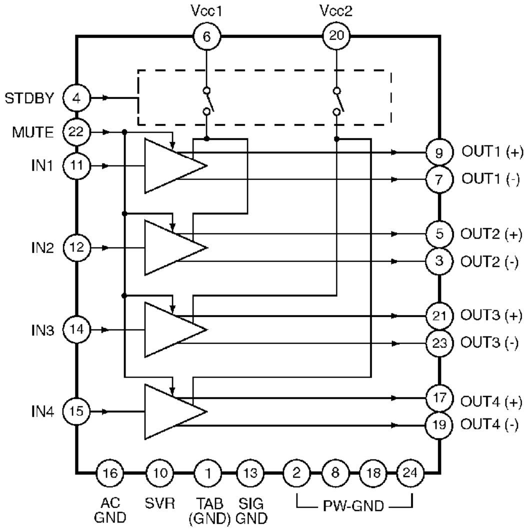
IC206 : YEAMM62429FP


IN 2
Vout2
VCC
CLK
8
7
6
5
+
−
Vref
+
−
LOGIC CONTROL
−
+
1
2
3
4
IN1
Vout1
GND
DATA

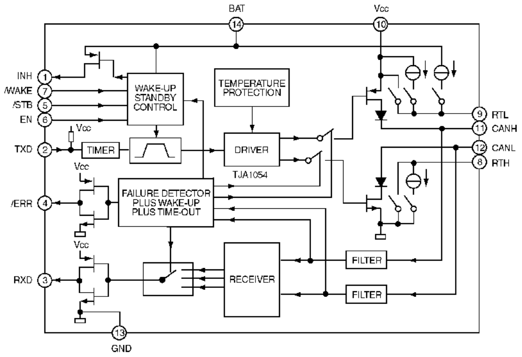
IC301 : C1BB00000245


GAIN134
LDLC1
LDHC1
INAO1
VRIN1
TCHC1
TCMC11
TCMC12
TCLC11
TCLC12
TCO1
FDIN1
36
35
34
33
32
31
30
29
28
27
26
25
GAIN12
37
GAIN11
38
IN14
39
IN13
40
IN12
41
IN11
42
IN21
43
IN22
44
IN23
45
IN24
46
GAIN21
47
GAIN22
48
24
FNTO1
23
REO1
22
CE
21
CLK
20
DGND
19
GND
18
VCC
17
VCT
16
DATA
15
TIMER
14
REO2
13
FNTO2
LOUD
8dB STEP VOLUME
1dB STEP VOLUME
TONE
FADER
INPUT SWITCH
VCTBUFF
VCTBUFF
VCTBUFF
ZCDET
LATCH
LATCH CONTROL
SHIFT REGISTER
VCTBUFF
VCTBUFF
VCTBUFF
INPUT SWITCH
VOLUME 8dB STEP
VOLUME 1dB STEP
TONE
FADER
LOUD
1
2
3
4
5
6
7
8
9
10
11
12
GAIN234
DLC2
LDHC2
INAO2
VRIN2
TCHC2
TCMC21
TCMC22
TCLC21
TCLC22
TCO2
FDIN2

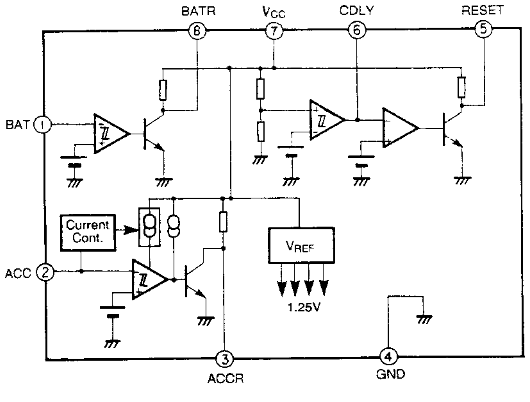
IC306 : C1EA00000029


Vcc1
6
Vcc2
20
STDBY 4
MUTE 22
IN1 11
IN2 12
IN3 14
IN4 15
9 OUT1 (+)
7 OUT1 (-)
5 OUT2 (+)
3 OUT2 (-)
21 OUT3 (+)
23 OUT3 (-)
17 OUT4 (+)
19 OUT4 (-)
16
10
1
13
2
8
18
24
AC GND
SVR
TAB (GND)
SIG GND
PW-GND

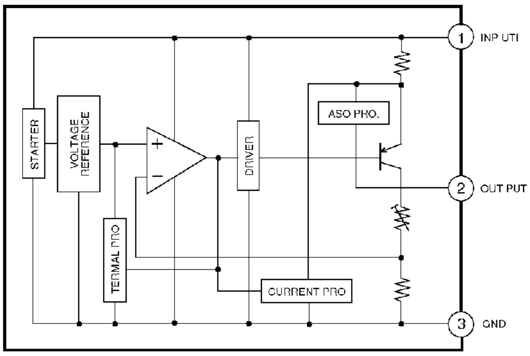
IC603 : C1EB00000039


BAT
14
Vcc
10
INH 1
/WAKE 7
/STB 5
EN 6
TXD 2
/ERR 4
RXD 3
Vcc
WAKE-UP STANDBY CONTROL
TEMPERATURE PROTECTION
TIMER
DRIVER
TJA1054
FAILURE DETECTOR PLUS WAKE-UP PLUS TIME-OUT
RECEIVER
FILTER
FILTER
9 RTL
11 CANH
12 CANL
8 RTH
13
GND

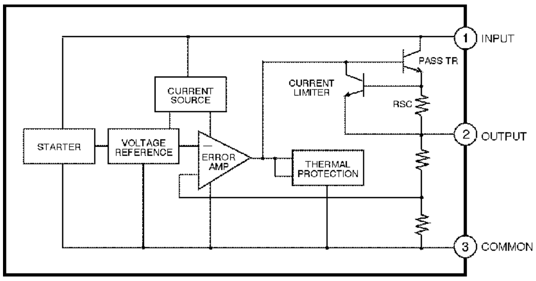
IC701 : AN8065SE1


BATR
8
Vcc
7
CDLY
6
RESET
5
BAT 1
ACC 2
Current Cont.
VREF
1.25V
3
ACCR
4
GND

IC702 : YEAMPC2905E1

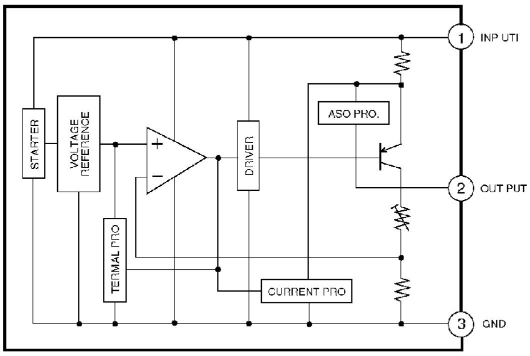

1
INP UTI
ASO PRO.
STARTER
VOLTAGE REFERENCE
+
−
DRIVER
2
OUT PUT
TERMAL PRO
CURRENT PRO
3
GND

IC704 : YEAMC78L05E2

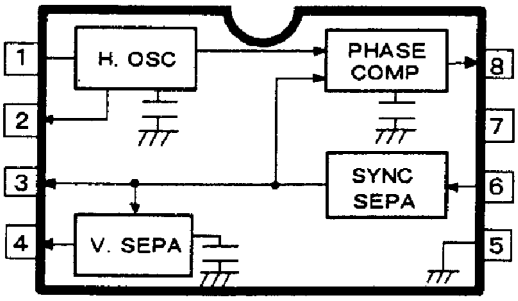

1
INPUT
PASS TR
CURRENT SOURCE
CURRENT LIMITER
RSC
2
OUTPUT
STARTER
VOLTAGE REFERENCE
ERROR AMP
THERMAL PROTECTION
3
COMMON

12.4. J-Box Block

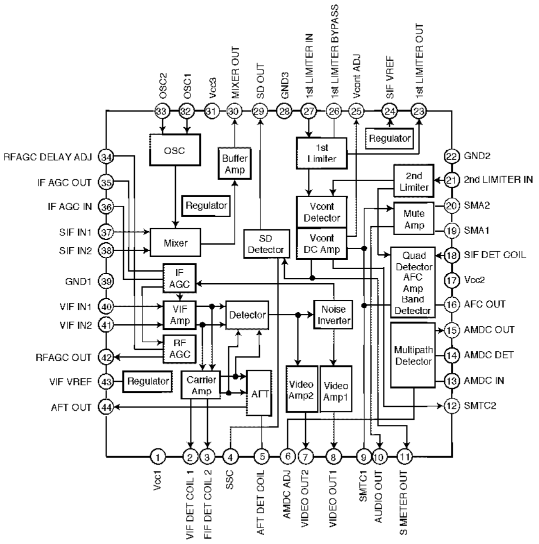
IC1 : YEAMPC2905E1


1
INP UTI
ASO PRO.
STARTER
VOLTAGE REFERENCE
+
−
DRIVER
2
OUT PUT
TERMAL PRO
CURRENT PRO
3
GND

IC71 : C1AB00001604

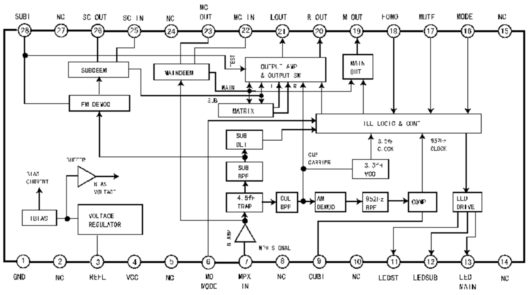

1
H. OSC
PHASE COMP
8
2
7
3
SYNC SEPA
6
4
V. SEPA
5

IC51 : AN5186FB



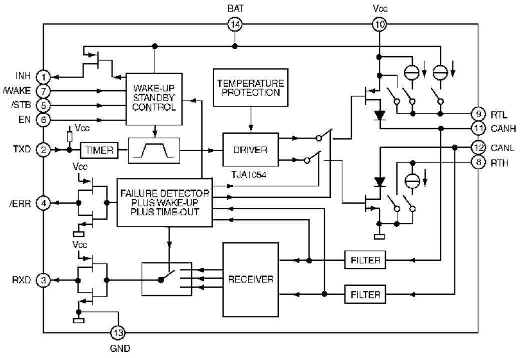
OSC2
OSC1
Vcc3
MIXER OUT
SD OUT
GND3
1st LIMITER IN
1st LIMITER BYPASS
Vcont ADJ
SIF VREF
1st LIMITER OUT
RFAGC DELAY ADJ
IF AGC OUT
IF AGC IN
SIF IN1
SIF IN2
GND1
VIF IN1
VIF IN2
RFAGC OUT
VIF VREF
AFT OUT
GND2
2nd LIMITER IN
SMA2
SMA1
SIF DET COIL
Vcc2
AFC OUT
AMDC OUT
AMDC DET
AMDC IN
SMTC2
OSC
Buffer Amp
Regulator
1st Limiter
Regulator
2nd Limiter
Vcont Detector
Mute Amp
Vcont DC Amp
SD Detector
Mixer
Quad Detector AFC Amp Band Detector
IF AGC
VIF Amp
Detector
Noise Inverter
RF AGC
Multipath Detector
Regulator
Carrier Amp
AFT
Video Amp2
Video Amp1
Vcc1
VIF DET COIL 1
FIF DET COIL 2
SSC
AFT DET COIL
AMDC ADJ
VIDEO OUT2
VIDEO OUT1
SMTC1
AUDIO OUT
S METER OUT

IC121 : YEAMCXA2020M



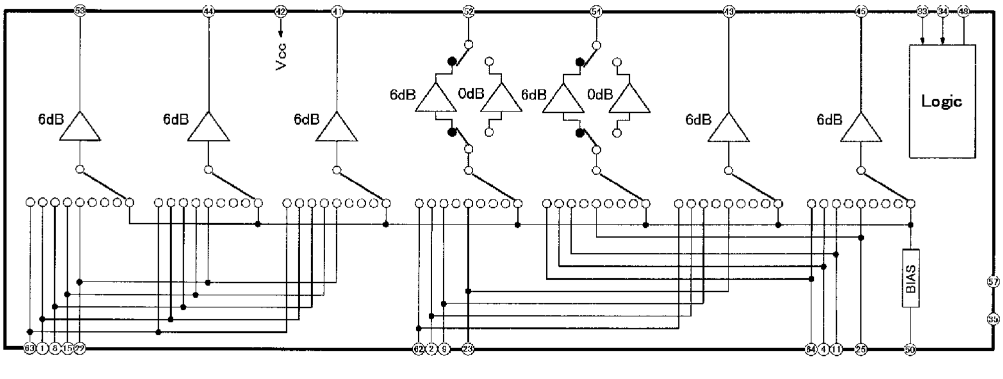
SUBI
NC
SC OUT
SC IN
NC
MC OUT
MC IN
LOUT
R OUT
M OUT
FOMO
MUTE
MODE
NC
SUBDEEM
MAINDEEM
TEST
OUTPUT AMP & OUTPUT SW
MAIN OUT
MAIN
SUB
L
R
FM DEMOD
MATRIX
ILL LOGIC & CONT
SUB DET
3.5fH CLOCK
952Hz CLOCK
CUF CARRIER
3.5fH VCO
SUB BPF
BUFFER
BIAS CURRENT
BIAS VOLTAGE
IBIAS
VOLTAGE REGULATOR
4.5fH TRAP
CUL BPF
AM DEMOD
952Hz BPF
COMP
LED DRIVE
IN AMP
MPX SIGNAL
GND
NC
REFL
VCC
NC
MO MODE
MPX IN
NC
CUBI
NC
LEDST
LEDSUB
LED MAIN
NC

IC605 : C1EB00000039



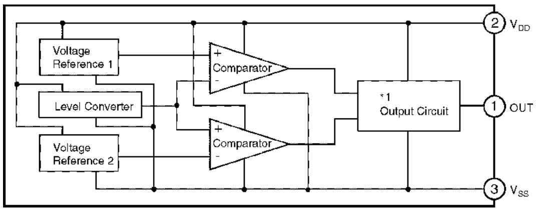
BAT
Vcc
INH
/WAKE
/STB
EN
TXD
/ERR
RXD
GND
WAKE-UP STANDBY CONTROL
TEMPERATURE PROTECTION
Vcc
TIMER
DRIVER
TJA1054
FAILURE DETECTOR PLUS WAKE-UP PLUS TIME-OUT
RECEIVER
FILTER
FILTER
RTL
CANH
CANL
RTH

IC201 : C1AB00000459

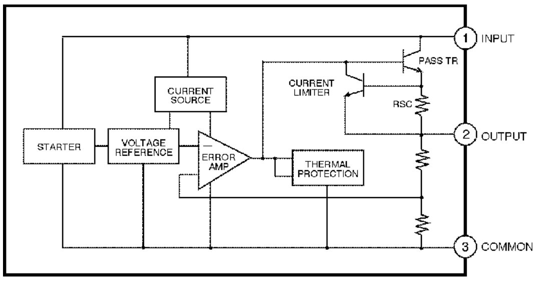


Vcc
6dB
6dB
6dB
6dB
0dB
6dB
0dB
6dB
6dB
Logic
BIAS

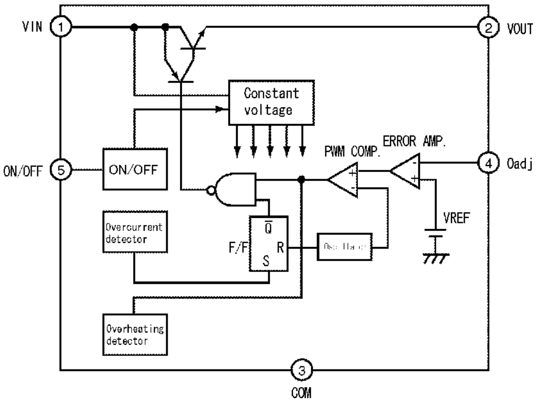
IC701 : MN1382RTX


Voltage Reference 1
Level Converter
Voltage Reference 2
+
Comparator
-
+
Comparator
-
*1
Output Circuit
2
V_{DD}
1
OUT
3
V_{SS}

IC702 : YEAMC78L05E2


1
INPUT
PASS TR
CURRENT SOURCE
CURRENT LIMITER
RSC
2
OUTPUT
STARTER
VOLTAGE REFERENCE
ERROR AMP
THERMAL PROTECTION
3
COMMON

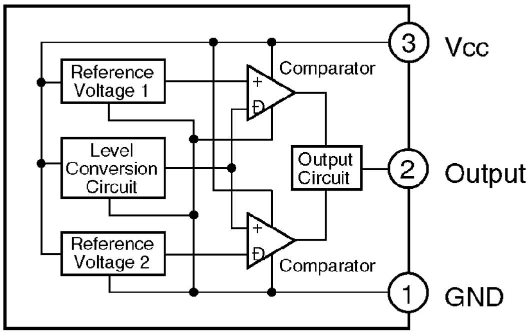
IC703 : C0DBAJG00002


VIN
1
2
VOUT
Constant voltage
ERROR AMP.
PWM COMP.
ON/OFF
5
ON/OFF
4
Oadj
VREF
Overcurrent detector
F/F
Q
R
S
Oscillator
Overheating detector
3
COM

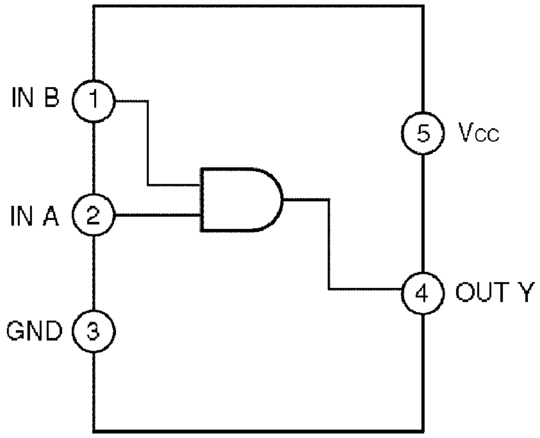
12.5. DVD Deck Block

IC101 : AN8703FH-V

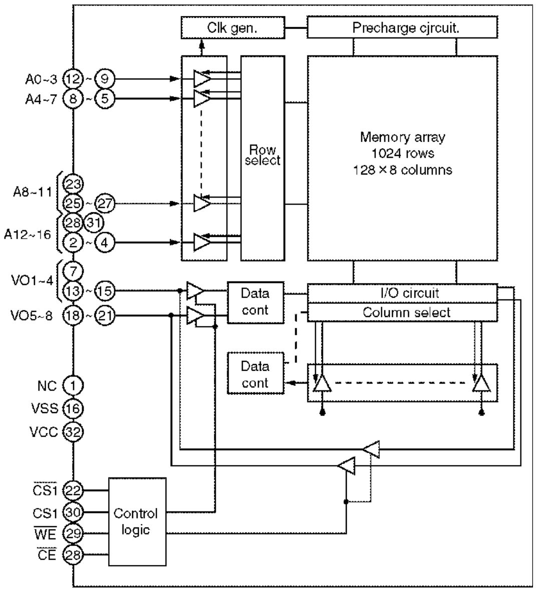
IC202 : MN13821JP


3
Vcc
Reference Voltage 1
Comparator
+
-
Level Conversion Circuit
Output Circuit
2
Output
Reference Voltage 2
+
-
Comparator
1
GND

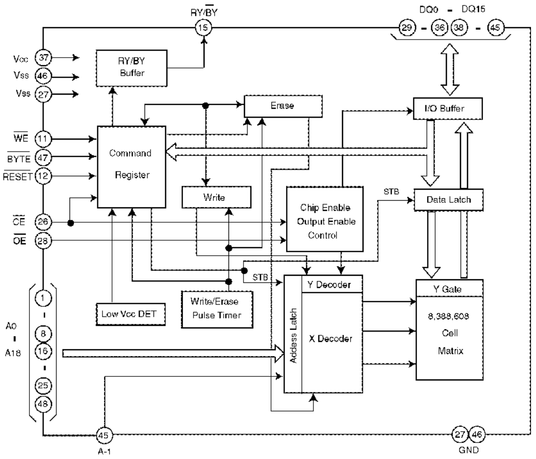
IC204 : YEAMT7ST08UL


IN B
1
IN A
2
GND
3
5
Vcc
4
OUT Y

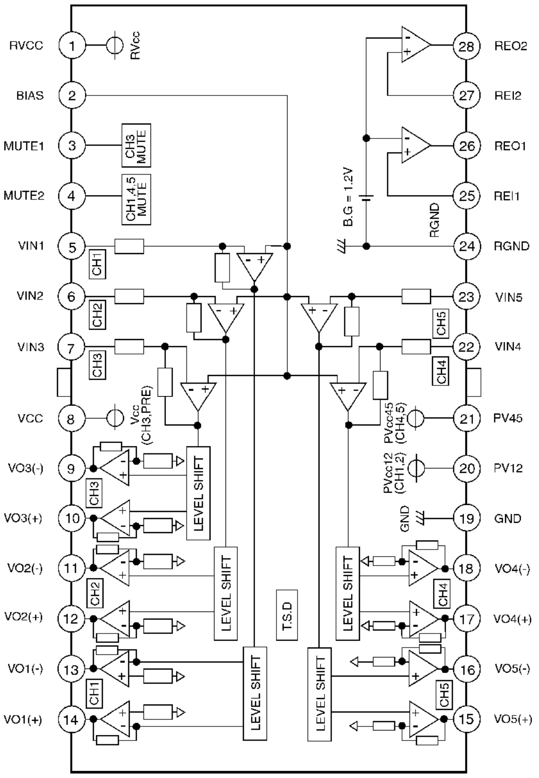
IC302 : C3BBHC000246


Clk gen.
Precharge cjrcuit.
A0~3
12 ~ 9
A4~7
8 ~ 5
Row select
Memory array
1024 rows
128 × 8 columns
A8~11
23
25 ~ 27
28 31
A12~16
2 ~ 4
7
VO1~4
13 ~ 15
VO5~8
18 ~ 21
Data cont
I/O circuit
Column select
Data cont
NC 1
VSS 16
VCC 32
CS1 22
CS1 30
WE 29
CE 28
Control logic

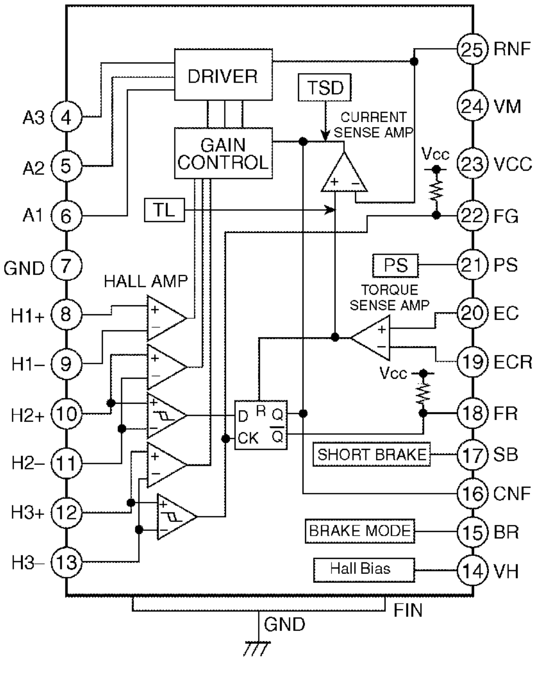
IC303 : C3FBLG000012


RY/BY
15
DQ0 - DQ15
29 - 36 38 - 45
Vcc 37
Vss 46
Vss 27
RY/BY Buffer
Erase
I/O Buffer
WE 11
BYTE 47
RESET 12
Command Register
Write
Chip Enable Output Enable Control
STB
Data Latch
CE 26
OE 28
STB
Y Decoder
Y Gate
Addess Latch
X Decoder
8,388,608 Cell Matrix
Low Vcc DET
Write/Erase Pulse Timer
A0 - A18
1
8
16
25
48
45
A-1
27 46
GND

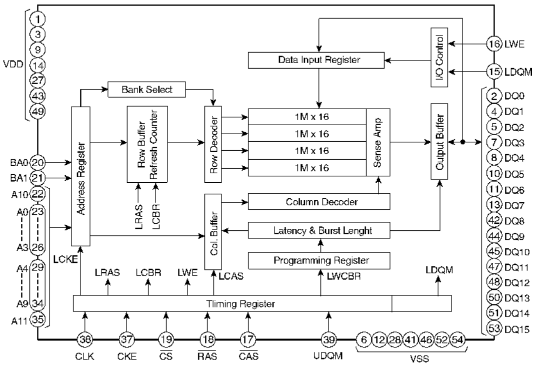
IC401 : C0GBY0000012


RVCC 1
BIAS 2
MUTE1 3
MUTE2 4
VIN1 5
VIN2 6
VIN3 7
VCC 8
VO3(-) 9
VO3(+) 10
VO2(-) 11
VO2(+) 12
VO1(-) 13
VO1(+) 14
VO5(+) 15
VO5(-) 16
VO4(+) 17
VO4(-) 18
GND 19
PV12 20
PV45 21
VIN4 22
VIN5 23
RGND 24
REI1 25
REO1 26
REI2 27
REO2 28
RVcc
CH3 MUTE
CH1,4,5 MUTE
B.G = 1.2V
RGND
CH1
CH2
CH3
CH4
CH5
Vcc (CH3,PRE)
PVcc45 (CH4,5)
PVcc12 (CH1,2)
GND
LEVEL SHIFT
T.S.D

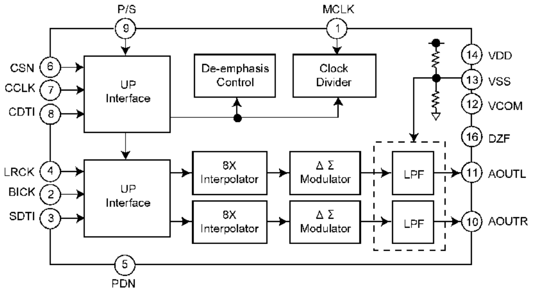
IC402 : C0GBH0000006


A3 4
A2 5
A1 6
GND 7
H1+ 8
H1– 9
H2+ 10
H2– 11
H3+ 12
H3– 13
VH 14
BR 15
CNF 16
SB 17
FR 18
ECR 19
EC 20
PS 21
FG 22
VCC 23
VM 24
RNF 25
DRIVER
GAIN CONTROL
TSD
CURRENT SENSE AMP
Vcc
TL
PS
TORQUE SENSE AMP
HALL AMP
D R Q
CK Q
Vcc
SHORT BRAKE
BRAKE MODE
Hall Bias
FIN
GND

IC502 : C3ABPG000102


VDD
1
3
9
14
27
43
49
BA0 20
BA1 21
A10 22
A0 23
A3 26
A4 29
A9 34
A11 35
Address Register
Bank Select
Row Buffer Refresh Counter
Row Decoder
LRAS
LCBR
Col. Buffer
Data Input Register
I/O Control
1M x 16
1M x 16
1M x 16
1M x 16
Sense Amp
Output Buffer
Column Decoder
Latency & Burst Lenght
Programming Register
LCKE
LRAS
LCBR
LWE
LCAS
LWCBR
LDQM
Timing Register
16 LWE
15 LDQM
2 DQ0
4 DQ1
5 DQ2
7 DQ3
8 DQ4
10 DQ5
11 DQ6
13 DQ7
42 DQ8
44 DQ9
45 DQ10
47 DQ11
48 DQ12
50 DQ13
51 DQ14
53 DQ15
38 CLK
37 CKE
19 CS
18 RAS
17 CAS
39 UDQM
6 12 28 41 46 52 54 VSS

IC601 : C0FBBK000019


P/S
9
MCLK
1
CSN 6
CCLK 7
CDTI 8
UP Interface
De-emphasis Control
Clock Divider
14 VDD
13 VSS
12 VCOM
16 DZF
LRCK 4
BICK 2
SDTI 3
UP Interface
8X Interpolator
ΔΣ Modulator
LPF
11 AOUTL
8X Interpolator
ΔΣ Modulator
LPF
10 AOUTR
5
PDN

13. REPLACEMENT PARTS LIST [Display Unit]

Notes :

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.**
3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

   - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[E-9146Da/b] Main/Sub Block			
ICs AND TRANSISTORs			
IC151	YEAMT7ST08UL	IC	
IC152	C0JBAA000102	IC	
IC153	YEAMT7ST08UL	IC	
IC154	YEAMC78L05E2	IC	
IC155	YEAM7200U33T	IC	
IC201	C1AB00000459	IC	
IC202	C0ABCB000032	IC	
IC203	YEAMPC4570T1	IC	
IC251	YEAMM62429FP	IC	
IC252	YEAMTD7052A	IC	
IC301	C1AB00000350	IC	
IC302	C0JBAB000175	IC	
IC303	C0JBAA000102	IC	
IC304	C0JBAB000175	IC	
IC305	YEAMLM1881M	IC	
IC401	YEAMMB3775FP	IC	
IC501	C1DB00000516	IC	
IC502	C0JBAK000189	IC	
IC503	C0JBAK000189	IC	
IC504	C0JBCC000050	IC	
IC505	C0ABFA000014	IC	
IC507	YEAMT7ST08UL	IC	
IC508	C0JBAA000102	IC	
IC509	C0JBAA000102	IC	
IC510	C0JBAK000189	IC	
IC511	C2DBYJ000008	IC	
IC512	C3ABPJ000056	IC	
IC513	C3ABPG000125	IC	
IC514	C3FBPD000030	IC	
IC515	YEAMT7SH32UL	IC	
IC516	C0JBAA000102	IC	
IC517	C0JBAA000102	IC	
IC518	C0JBAA000102	IC	
IC519	C0JBAB000175	IC	
IC601	C2CBKJ000060	IC	
IC602	AN8065SE1	IC	
IC603	C1EB00000039	IC	
IC604	C3GBCC000001	IC	
IC605	YEAMT7ST08UL	IC	
IC606	C0JBAZ000279	IC	
IC607	YEAMTC7W14FL	IC	
IC701	C0DBEKG00001	IC	
IC711	C0DBEZG00010	IC	
IC712	C0DBEZG00010	IC	
IC713	YEAMPC1100GT	IC	
IC714	C0DBEZG00010	IC	
IC801	AN2526FH	IC	
IC802	YEAMTC7W14FL	IC	
Q151	B1GBCFJJ0002	Transistor	
Q153	B1GBCFJJ0002	Transistor	
Q154	B1GBCFJJ0002	Transistor	
Q203	2SB709TX	Transistor	

Ref. No.	Part No.	Part Name & Description	Remarks
Q251	B1GBHBEA0004	Transistor	
Q401	B1GDCFJJ0025	Transistor	
Q402	YEANA1647ZKT	Transistor	
Q403	2SD0601AHR	Transistor	
Q404	YEANFMC5KTX	Transistor	
Q405	B1GDCFJJ0025	Transistor	
Q406	2SD0601AHR	Transistor	
Q407	YEANA1647ZKT	Transistor	
Q411	2SD0601AHR	Transistor	
Q412	YEANFP1F3PT1	Transistor	
Q413	B1GBCFJJ0002	Transistor	
Q414	B1GDCFJJ0002	Transistor	
Q415	B1GBCFJJ0002	Transistor	
Q601	YEANC314TKTX	Transistor	
Q602	YEANC314TKTX	Transistor	
Q603	YEANC314TKTX	Transistor	
Q604	B1GBCFNN0004	Transistor	
Q605	B1GBCFNN0004	Transistor	
Q606	2SD0601AHR	Transistor	
Q609	YEANC114YKX	Transistor	
Q610	YEANC114YKX	Transistor	
Q611	B1GDCFNN0002	Transistor	
Q616	YEANC114YKX	Transistor	
Q618	B1GBCFJJ0007	Transistor	
Q701	YEAND1899ZE1	Transistor	
Q702	YEANA1647ZKT	Transistor	
Q703	B1GBCFJJ0002	Transistor	
Q708	YEANHQ1F3PT1	Transistor	
Q709	B1GBCFJJ0007	Transistor	
Q710	B1BBAC000007	Transistor	
Q711	YEANFP1F3PT1	Transistor	
Q712	B1GBCFJJ0002	Transistor	
Q713	B1GDCFJJ0002	Transistor	
Q714	2SD0601AHR	Transistor	
Q715	YEANA1647ZKT	Transistor	
Q717	B1GDCFJJ0002	Transistor	
Q718	2SD0601AHR	Transistor	
Q719	YEANA1647ZKT	Transistor	
Q724	YEANFP1F3PT1	Transistor	
Q725	B1GBCFJJ0002	Transistor	
Q802	2SD0601AHR	Transistor	
Q803	2SD0601AHR	Transistor	
Q805	YEANC2412KTX	Transistor	
Q806	YEANC2412KTX	Transistor	
Q807	YEANIMZ1TX	Transistor	
DIODEs			
D152	MA2J72900L	Diode	
D153	MA2J72900L	Diode	
D251	MA2J72900L	Diode	
D252	B0JCQD000001	Diode	
D253	YEADEC10DS1	Diode	
D254	YEADEC10DS1	Diode	

Ref. No.	Part No.	Part Name & Description	Remarks
D401	**B0JCQD000001**	**Diode**	
D402	**YEADAN202UTX**	**Diode**	
D403	**YEADAN202UTX**	**Diode**	
D411	**YEADSS14VZ**	**Diode**	
D412	**YEADSS14VZ**	**Diode**	
D413	**YEADSS14VZ**	**Diode**	
D414	**YEADSS14VZ**	**Diode**	
D501	**B0JCQD000001**	**Diode**	
D601	**B0ADCJ000007**	**Diode**	
D602	**MA8051-HTX**	**Diode**	
D604	**MA8056LMHTX**	**Diode**	
D605	**B0ADCJ000007**	**Diode**	
D701	**YEADDAM3MA47**	**Diode**	
D702	**B0ADCJ000007**	**Diode**	
D703	**B0ADCJ000007**	**Diode**	
D704	**YEADEC10DS1**	**Diode**	
D705	**YEADSR1544TL**	**Diode**	
D706	**YEADRD56M3T1**	**Diode**	
D707	**B0JCQD000001**	**Diode**	
D708	**B0JCQD000001**	**Diode**	
D709	**YEADSS14VZ**	**Diode**	
D711	**B0JCQD000001**	**Diode**	
D712	**B0JCQD000001**	**Diode**	
D713	**YEADAN202UTX**	**Diode**	
D714	**YEADAN202UTX**	**Diode**	
D715	**B0JCQD000001**	**Diode**	
D716	**YEADEC10DS1**	**Diode**	
D717	**MA2J72900L**	**Diode**	
D802	**MA2J72900L**	**Diode**	
CAPACITORs			
C51	**YECUZ1C104KX**	**Ceramic, 0.1 μ F 16WV**	
C52	**YECSW1A226MS**	**Tantalum, 22 μ F 10WV**	
C53	**YECUZ1C104KX**	**Ceramic, 0.1 μ F 16WV**	
C54	**YECUZ1A224KX**	**Ceramic, 0.22 μ F 10WV**	
C55	**YECUZ1C104KX**	**Ceramic, 0.1 μ F 16WV**	
C56	**F1H0J1050010**	**Ceramic, 1 μ F 6.3WV**	
C57	**YECSW1A226MS**	**Tantalum, 22 μ F 10WV**	
C58	**YECUZ1C104KX**	**Ceramic, 0.1 μ F 16WV**	
C59	**YECUZ1C104KX**	**Ceramic, 0.1 μ F 16WV**	
C60	**YECUZ1C104KX**	**Ceramic, 0.1 μ F 16WV**	
C61	**YECUZ1C104KX**	**Ceramic, 0.1 μ F 16WV**	
C62	**YECUZ1C104KX**	**Ceramic, 0.1 μ F 16WV**	
C63	**YECUZ1C104KX**	**Ceramic, 0.1 μ F 16WV**	
C151	**YECUZ1C104KX**	**Ceramic, 0.1 μ F 16WV**	
C153	**YECUZ1C104KX**	**Ceramic, 0.1 μ F 16WV**	
C154	**YECUV1C105KX**	**Ceramic, 1 μ F 16WV**	

Ref. No.	Part No.	Part Name & Description	Remarks
C155	YECUV1C105KX	Ceramic, 1 μ F 16WV	
C156	YECUZ1H331JC	Ceramic, 330pF 50WV	
C157	YECUZ1H680JC	Ceramic, 68pF 50WV	
C158	YECUZ1H121JC	Ceramic, 120pF 50WV	
C159	EEVFC0J101P	Electrolytic, 100 μ F 6.3WV	
C160	YECUV1C225KX	Ceramic, 2.2 μ F 16WV	
C161	EEVFC0J101P	Electrolytic, 100 μ F 6.3WV	
C162	YECUV1C225KX	Ceramic, 2.2 μ F 16WV	
C163	EEVFC0J101P	Electrolytic, 100 μ F 6.3WV	
C164	YECUV1C225KX	Ceramic, 2.2 μ F 16WV	
C165	EEVFC0J101P	Electrolytic, 100 μ F 6.3WV	
C166	YECUV1C225KX	Ceramic, 2.2 μ F 16WV	
C167	EEVFC1C100R	Electrolytic, 10 μ F 16WV	
C168	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C169	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C170	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C174	YECUV1C225KX	Ceramic, 2.2 μ F 16WV	
C175	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C176	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C177	YECUU1A226ZF	Tantalum, 22 μ F 10WV	
C178	YECUU1C106ZF	Ceramic, 10 μ F 16WV	
C179	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C180	YECUU1C106ZF	Ceramic, 10 μ F 16WV	
C181	YECUU1C106ZF	Ceramic, 10 μ F 16WV	
C182	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C201	ECEV1CA100SR	Electrolytic, 10 μ F 16WV	
C202	YECUZ1H331JC	Ceramic, 330pF 50WV	
C203	YECUZ1H331JC	Ceramic, 330pF 50WV	
C204	ECEV1CA100SR	Electrolytic, 10 μ F 16WV	
C205	ECEV1CA220SR	Electrolytic, 22 μ F 16WV	
C206	YECUS1A105KX	Ceramic, 1 μ F 10WV	
C207	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C208	YECUS1A105KX	Ceramic, 1 μ F 10WV	
C210	YECUS1A105KX	Ceramic, 1 μ F 10WV	
C214	ECEV1CA100SR	Electrolytic, 10 μ F 16WV	
C216	ECEV1CA220SR	Electrolytic, 22 μ F 16WV	
C217	ECEV1CA100SR	Electrolytic, 10 μ F 16WV	
C218	YECUS1A105KX	Ceramic, 1 μ F 10WV	
C219	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C220	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C221	YECUS1A105KX	Ceramic, 1 μF 10WV	
C222	ECA1AM471	Electrolytic, 470 μF 10WV	
C223	ECEV1AA101SP	Electrolytic, 100 μF 10WV	
C224	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C225	ECEV1CA100SR	Electrolytic, 10 μF 16WV	
C226	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C227	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C228	ECEV1AA101SP	Electrolytic, 100 μF 10WV	
C229	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C251	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C252	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C253	EEUFA1A391	Electrolytic, 390 μF 10WV	
C254	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C255	YECUS1C474KX	Ceramic, 0.47 μF 16WV	
C256	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C257	YECUZ1A224KX	Ceramic, 0.22 μF 10WV	
C258	YECUS1A105KX	Ceramic, 1 μF 10WV	
C259	YECUS1A105KX	Ceramic, 1 μF 10WV	
C260	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C261	ECEV0JA101SP	Electrolytic, 100 μF 6.3WV	
C262	YECUV0J106KX	Ceramic, 10 μF 6.3WV	
C263	YECUS1H220JC	Ceramic, 22PF 50WV	
C264	YECUS1H220JC	Ceramic, 22PF 50WV	
C265	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C266	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C267	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C268	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C269	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C270	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C271	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C272	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C274	YECUZ1H331JC	Ceramic, 330pF 50WV	
C301	ECEV1CA100SR	Electrolytic, 10 μF 16WV	
C302	YECUZ1H331JC	Ceramic, 330pF 50WV	
C303	YECUZ1H331JC	Ceramic, 330pF 50WV	
C304	ECEV1CA100SR	Electrolytic, 10 μF 16WV	
C305	ECEV1CA220SR	Electrolytic, 22 μF 16WV	
C306	YECUS1A105KX	Ceramic, 1 μF 10WV	
C307	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C308	YECUS1A105KX	Ceramic, 1 μF 10WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C310	YECUS1A105KX	Ceramic, 1 μ F 10WV	
C314	ECEV1CA100SR	Electrolytic, 10 μ F 16WV	
C316	ECEV1CA220SR	Electrolytic, 22 μ F 16WV	
C317	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C318	YECUS1A105KX	Ceramic, 1 μ F 10WV	
C319	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C320	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C321	YECUS1A105KX	Ceramic, 1 μ F 10WV	
C324	ECEV1CA100SR	Electrolytic, 10 μ F 16WV	
C325	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C326	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C327	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C328	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C329	ECEV1CA100SR	Electrolytic, 10 μ F 16WV	
C330	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C331	ECEV1CA100SR	Electrolytic, 10 μ F 16WV	
C332	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C333	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C334	F1J1H200A025	Ceramic, 20F 50WV	
C335	F1J1H200A025	Ceramic, 20F 50WV	
C336	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C337	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C338	ECEV1CA100SR	Electrolytic, 10 μ F 16WV	
C339	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C340	F1H1H180A231	Ceramic, 18pF 50WV	
C341	F1H1H180A231	Ceramic, 18pF 50WV	
C342	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C343	ECEV1CA100SR	Electrolytic, 10 μ F 16WV	
C344	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C345	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C346	ECEV1CA100SR	Electrolytic, 10 μ F 16WV	
C347	ECEV1CA100SR	Electrolytic, 10 μ F 16WV	
C348	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C349	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C350	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C351	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C352	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C353	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C354	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C355	YECUZ1H471KX	Ceramic, 470pF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C356	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C401	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C402	YECUU1C475KX	Tantalum, 4.7 μ F 16WV	
C404	YECUU1C475KX	Tantalum, 4.7 μ F 16WV	
C405	EEVFC1C331P	Electrolytic, 330 μ F 16WV	
C406	YECUU1C475KX	Tantalum, 4.7 μ F 16WV	
C407	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C408	YECUV1C105KX	Ceramic, 1 μ F 16WV	
C409	YECUB1H681JC	Ceramic, 680pF 50WV	
C410	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C411	EEVFC1C101P	Electrolytic, 100 μ F 16WV	
C413	ECEV1CA100R	Electrolytic, 10 μ F 16WV	
C414	YECUS1A105KX	Ceramic, 1 μ F 10WV	
C415	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C416	YECUV1A225KX	Ceramic, 2.2 μ F 10WV	
C417	YECUV1C105KX	Ceramic, 1 μ F 16WV	
C418	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C419	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C420	F1J1H222A675	Ceramic, 2200pF 50WV	
C421	YECUU1C475KX	Tantalum, 4.7 μ F 16WV	
C423	YECUU1C475KX	Tantalum, 4.7 μ F 16WV	
C431	EEVFC0J101P	Electrolytic, 100 μ F 6.3WV	
C432	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C433	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C434	EEVFC0J101P	Electrolytic, 100 μ F 6.3WV	
C435	EEVFC1E330P	Electrolytic, 33 μ F 25WV	
C436	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C437	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C438	EEVFC1E330P	Electrolytic, 33 μ F 25WV	
C439	EEVFC0J470R	Electrolytic, 47 μ F 6.3WV	
C440	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C441	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C442	EEVFC0J470R	Electrolytic, 47 μ F 6.3WV	
C443	EEVFC1C470P	Electrolytic, 47 μ F 16WV	
C444	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C445	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C446	EEVFC1C470P	Electrolytic, 47 μ F 16WV	
C447	EEVFC1C470P	Electrolytic, 47 μ F 16WV	
C448	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C449	YECUU1C106ZF	Ceramic, 10 μF 16WV	
C500	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C505	EEFUD0J101R	Electrolytic, 100 μF 6.3WV	
C506	EEFUD0J101R	Electrolytic, 100 μF 6.3WV	
C507	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C508	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C509	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C510	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C511	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C512	YECUU1A226ZF	Tantalum, 22 μF 10WV	
C513	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C514	F1H0J1050010	Ceramic, 1 μF 6.3WV	
C515	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C516	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C517	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C518	YECUU1C106ZF	Ceramic, 10 μF 16WV	
C519	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C520	YECUU1C106ZF	Ceramic, 10 μF 16WV	
C521	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C522	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C525	YECSW1A226MS	Tantalum, 22 μF 10WV	
C526	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C527	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C528	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C529	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C530	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C531	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C532	EEFCD0J470R	Electrolytic, 47 μF 6.3WV	
C534	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C535	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C536	EEFCD0J470R	Electrolytic, 47 μF 6.3WV	
C538	EEFCD0J470R	Electrolytic, 47 μF 6.3WV	
C540	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C541	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C542	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C543	F1H0J1050010	Ceramic, 1 μF 6.3WV	
C544	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C545	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C546	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C547	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C548	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C549	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C550	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C551	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C552	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C553	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C554	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C555	YECUZ1H471KX	Ceramic, 470pF 50WV	
C556	YECUZ1H471KX	Ceramic, 470pF 50WV	
C557	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C558	YECUZ1H150JC	Ceramic, 15pF 50WV	
C559	YECUZ1H150JC	Ceramic, 15pF 50WV	
C560	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C561	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C562	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C563	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C564	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C565	EEFCD0J470R	Electrolytic, 47 μ F 6.3WV	
C567	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C568	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C569	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C570	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C571	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C572	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C573	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C574	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C575	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C576	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C577	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C578	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C579	EEFCD0J470R	Electrolytic, 47 μ F 6.3WV	
C581	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C582	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C583	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C584	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C585	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C586	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C587	YECUZ1H471KX	Ceramic, 470pF 50WV	
C588	YECUZ1H471KX	Ceramic, 470pF 50WV	
C589	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	

		[illegible]	

Ref. No.	Part No.	Part Name & Description	Remarks
C590	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C591	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C592	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C593	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C594	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C595	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C596	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C597	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C598	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C599	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C603	F1J1H101A672	Ceramic, 100pF 50WV	
C622	ECEV1HA010SR	Electrolytic, 1 μ F 50WV	
C623	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C624	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C625	ECEV1HA010SR	Electrolytic, 1 μ F 50WV	
C626	ECEV1HA010SR	Electrolytic, 1 μ F 50WV	
C627	ECEV1HA010SR	Electrolytic, 1 μ F 50WV	
C628	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C629	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C630	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C631	ECEV0JA101SP	Electrolytic, 100 μ F 6.3WV	
C632	YECUS1A105KX	Ceramic, 1 μ F 10WV	
C633	F1H1H8R0A226	Ceramic, 8pF 50WV	
C634	F1H1H8R0A226	Ceramic, 8pF 50WV	
C635	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C636	YECUZ1H220JC	Ceramic, 22pF 50WV	
C637	YECUZ1H220JC	Ceramic, 22pF 50WV	
C638	ECEV0JA101SP	Electrolytic, 100 μ F 6.3WV	
C639	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C640	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C641	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C642	ECEV1CA100SR	Electrolytic, 10 μ F 16WV	
C643	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C646	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C647	YECUZ1H330JC	Ceramic, 33pF 50WV	
C648	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C649	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C650	ECEV1CA100SR	Electrolytic, 10 μ F 16WV	
C651	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C652	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C653	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	

		Ceramic, 0.2 [illegible] 25V	

Ref. No.	Part No.	Part Name & Description	Remarks
C656	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C657	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C701	YECUS1H470JC	Ceramic, 47PF 50WV	
C706	YECUS1H470JC	Ceramic, 47PF 50WV	
C707	YECUS1H470JC	Ceramic, 47PF 50WV	
C708	YECUS1H470JC	Ceramic, 47PF 50WV	
C712	YECUS1H470JC	Ceramic, 47PF 50WV	
C713	ECEV1CA221P	Electrolytic, 220 μ F 16WV	
C715	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C716	ECEV1CA101WP	Electrolytic, 100 μ F 10WV	
C717	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C718	ECEV1CA101WP	Electrolytic, 100 μ F 10WV	
C719	ECEV1CA100SR	Electrolytic, 10 μ F 16WV	
C720	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C721	ECEV1AA221P	Electrolytic, 220 μ F 10WV	
C722	ECA1CDT102BQ	Electrolytic, 1000 μ F 16WV	
C724	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C725	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C726	ECEV1CA101WP	Electrolytic, 100 μ F 10WV	
C727	YECSV1CF105R	Tantalum, 1 μ F 16WV	
C728	ECA1CHG222B	Electrolytic, 2200 μ F 16WV	
C729	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	
C730	YECUS1C474KX	Ceramic, 0.47 μ F 16WV	
C731	ECEV1CA101WP	Electrolytic, 100 μ F 10WV	
C732	ECEV1CA470P	Electrolytic, 47 μ F 16WV	
C733	ECEV1CA101WP	Electrolytic, 100 μ F 10WV	
C734	YECUU1C475KX	Tantalum, 4.7 μ F 16WV	
C735	F1J1H332A675	Ceramic, 3300pF 50WV	
C736	F1J1H151A672	Ceramic, 150pF 50WV	
C737	F1J1H1020024	Ceramic, 1000pF 50WV	
C738	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C740	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C741	YECUU1C106ZF	Ceramic, 10 μ F 16WV	
C743	YECUU1C475KX	Tantalum, 4.7 μ F 16WV	
C744	F1J1H1020024	Ceramic, 1000pF 50WV	
C746	YECUS1C474KX	Ceramic, 0.47 μ F 16WV	
C747	YECUV1C225KX	Ceramic, 2.2 μ F 16WV	
C749	YECUZ1H102KX	Ceramic, 1000pF 50WV	
C750	YECUU1C475KX	Tantalum, 4.7 μ F 16WV	
C751	EEUFA1C561B	Electrolytic, 560 μ F 16WV	
C753	EEUFA1C561B	Electrolytic, 560 μ F 16WV	
C754	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C755	YECUV1C225KX	Ceramic, 2.2 μF 16WV	
C756	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C757	EEVFC0J101P	Electrolytic, 100 μF 6.3WV	
C758	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C759	YECUV1C225KX	Ceramic, 2.2 μF 16WV	
C760	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C761	EEVFC1A221P	Electrolytic, 220 μF 10WV	
C773	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C774	EEVFC0J101P	Electrolytic, 100 μF 6.3WV	
C775	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C776	YECUV1C225KX	Ceramic, 2.2 μF 16WV	
C777	EEVFC0J101P	Electrolytic, 100 μF 6.3WV	
C778	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C779	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C780	EEVFC0J101P	Electrolytic, 100 μF 6.3WV	
C781	EEUFA1C102	Electrolytic, 1000 μF 16WV	
C783	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C784	EEUFA1C561B	Electrolytic, 560 μF 16WV	
C785	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C786	F4D551040007	Electrolytic, 0.1 μF 5.5WV	
C801	EEVFC0J101P	Electrolytic, 100 μF 6.3WV	
C802	EEVFC0J470R	Electrolytic, 47 μF 6.3WV	
C803	YECUS1A105KX	Ceramic, 1 μF 10WV	
C804	YECUS1A105KX	Ceramic, 1 μF 10WV	
C805	YECUS1A105KX	Ceramic, 1 μF 10WV	
C806	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C807	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C808	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C809	YECUS1A105KX	Ceramic, 1 μF 10WV	
C810	YECUS1A105KX	Ceramic, 1 μF 10WV	
C811	YECUS1A105KX	Ceramic, 1 μF 10WV	
C812	ECEV1AA330SR	Electrolytic, 33 μF 10WV	
C813	YECUV1C225KX	Ceramic, 2.2 μF 16WV	
C814	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C815	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C816	YECUV1C225KX	Ceramic, 2.2 μF 16WV	
C817	YECUV1C225KX	Ceramic, 2.2 μF 16WV	
C818	EEUFC1C471L	Electrolytic, 470 μF 16WV	
C819	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C820	ECEV0JA101SP	Electrolytic, 100 μ F 6.3WV	
C821	F1H1H101A231	Ceramic, 100pF 50WV	
C822	ECEV0JA220SR	Electrolytic, 22 μ F 6.3WV	
C823	YECUZ1E223KX	Ceramic, 0.022 μ F 25WV	
C824	F1H1A4740004	Ceramic, 0.47 μ F 10WV	
C825	YECUZ1H102KX	Ceramic, 1000pF 50WV	
C826	ECEV1EA4R7SR	Electrolytic, 4.7 μ F 25WV	
C828	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C829	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C831	YECUZ1E223KX	Ceramic, 0.022 μ F 25WV	
C832	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C833	YECUZ1E223KX	Ceramic, 0.022 μ F 25WV	
C834	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C835	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C836	F1H1A4740004	Ceramic, 0.47 μ F 10WV	
C837	YECUZ1H060DC	Ceramic, 6pF 50WV	
C838	YECUZ1H330JC	Ceramic, 33pF 50WV	
C840	ECEV1AA470P	Electrolytic, 47 μ F 10WV	
C841	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C842	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C843	YECUZ1H471KX	Ceramic, 470pF 50WV	
C845	F1H1H100A226	Ceramic, 10pF 50WV	
LC501	F1Z1E2220001	Noise Filter	
LC502	F1Z1E2220001	Noise Filter	
LC503	F1Z1E2220001	Noise Filter	
LC504	F1Z1E2220001	Noise Filter	
LC505	F1Z1E2220001	Noise Filter	
RESISTORs			
C839	D0YBR0000011	Registor, 0 Ω 1/8W	
FB501	D0GD680JA012	Metal Film, 68 Ω 1/10W	
FB601	D0YDR0000016	Registor, 0 Ω 1/8W	
FB606	D0YDR0000016	Registor, 0 Ω 1/8W	
FB607	D0YDR0000016	Registor, 0 Ω 1/8W	
FB608	D0YDR0000016	Registor, 0 Ω 1/8W	
FB609	D0YDR0000016	Registor, 0 Ω 1/8W	
FB610	D0YDR0000016	Registor, 0 Ω 1/8W	
FB611	D0YDR0000016	Registor, 0 Ω 1/8W	
FB612	D0YDR0000016	Registor, 0 Ω 1/8W	
FB613	D0YDR0000016	Registor, 0 Ω 1/8W	
FB614	D0YDR0000016	Registor, 0 Ω 1/8W	
FB615	D0YDR0000016	Registor, 0 Ω 1/8W	
FB616	D0YDR0000016	Registor, 0 Ω 1/8W	
FB617	D0YDR0000016	Registor, 0 Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
FB618	D0YDR0000016	Registor, 0 Ω 1/8W	
FB619	D0YDR0000016	Registor, 0 Ω 1/8W	
FB702	D0YDR0000016	Registor, 0 Ω 1/8W	
FB709	D0YDR0000016	Registor, 0 Ω 1/8W	
FB712	D0YDR0000016	Registor, 0 Ω 1/8W	
L402	D0YDR0000016	Registor, 0 Ω 1/8W	
R51	D0GB473JA006	Metal Film, 47k Ω 1/16W	
R52	D0GB473JA006	Metal Film, 47k Ω 1/16W	
R53	D0GB473JA006	Metal Film, 47k Ω 1/16W	
R57	ERJ3GEYJ820V	Chip, 82 Ω 1/16W	
R58	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R151	D0GB103JA006	Metal Film, 10k Ω 1/16W	
R152	D0GB102JA006	Metal Film, 1k Ω 1/16W	
R155	D0GB103JA006	Metal Film, 10k Ω 1/16W	
R156	D0GB102JA006	Metal Film, 1k Ω 1/16W	
R157	D0YBR0000011	Registor, 0 Ω 1/8W	
R159	D0YBR0000011	Registor, 0 Ω 1/8W	
R160	D0GB102JA006	Metal Film, 1k Ω 1/16W	
R161	D0GB102JA006	Metal Film, 1k Ω 1/16W	
R163	D0YDR0000016	Registor, 0 Ω 1/8W	
R164	D0YDR0000016	Registor, 0 Ω 1/8W	
R165	D0YDR0000016	Registor, 0 Ω 1/8W	
R167	D0YDR0000016	Registor, 0 Ω 1/8W	
R169	D0GD100JA012	Metal Film, 10 Ω 1/10W	
R170	D0GD750JA012	Metal Film, 75 Ω 1/10W	
R171	D0YDR0000016	Registor, 0 Ω 1/8W	
R177	D0GB102JA006	Metal Film, 1k Ω 1/16W	
R178	D0GB102JA006	Metal Film, 1k Ω 1/16W	
R179	D0YDR0000016	Registor, 0 Ω 1/8W	
R180	D0GD101JA012	Metal Film, 100 Ω 1/10W	
R181	D0GD471JA012	Metal Film, 470 Ω 1/10W	
R182	D0GB103JA006	Metal Film, 10k Ω 1/16W	
R201	D0GB103JA006	Metal Film, 10k Ω 1/16W	
R202	D0GB103JA006	Metal Film, 10k Ω 1/16W	
R203	D0GB103JA006	Metal Film, 10k Ω 1/16W	
R204	D0GB103JA006	Metal Film, 10k Ω 1/16W	
R205	D0GB103JA006	Metal Film, 10k Ω 1/16W	
R206	D0GB103JA006	Metal Film, 10k Ω 1/16W	
R207	D0GB562JA006	Metal Film, 5.6k Ω 1/16W	
R210	D0GB122JA006	Metal Film, 1.2k Ω 1/16W	
R212	D0GB104JA006	Metal Film, 100k Ω 1/16W	
R213	D0GB104JA006	Metal Film, 100k Ω 1/16W	
R214	D0YBR0000011	Registor, 0 Ω 1/8W	
R216	D0YBR0000011	Registor, 0 Ω 1/8W	
R218	D0GB103JA006	Metal Film, 10k Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R219	D0GB103JA006	Metal Film, 10k Ω 1/16W	
R220	D0GB561JA006	Metal Film, 560 Ω 1/16W	
R221	D0GB473JA006	Metal Film, 47k Ω 1/16W	
R222	D0GB102JA006	Metal Film, 1k Ω 1/16W	
R225	D0GB183JA006	Metal Film, 18k Ω 1/16W	
R227	D0GD750JA012	Metal Film, 75 Ω 1/10W	
R228	ERJ8GEYJ151V	Chip, 150 ohms 1/8W	
R229	D0GB101JA006	Metal Film, 100 Ω 1/16W	
R230	D0GB221JA006	Metal Film, 220 Ω 1/16W	
R231	D0GB100JA006	Metal Film, 10 Ω 1/16W	
R251	D0GB562JA006	Metal Film, 5.6k Ω 1/16W	
R252	D0YBR0000011	Registor, 0 Ω 1/8W	
R253	D0GB103JA006	Metal Film, 10k Ω 1/16W	
R254	D0GB224JA006	Metal Film, 220k Ω 1/16W	
R255	D0GB562JA006	Metal Film, 5.6k Ω 1/16W	
R256	D0GB332JA006	Metal Film, 3.3k Ω 1/16W	
R258	D0GB105JA006	Metal Film, 1M Ω 1/16W	
R259	D0GB105JA006	Metal Film, 1M Ω 1/16W	
R260	ERJ6ENF4701	Chip, 4.7k Ω 1/10W	
R261	ERJ6ENF1501	Chip, 1.5k Ω 1/10W	
R263	D0YDR0000016	Registor, 0 Ω 1/8W	
R264	D0YDR0000016	Registor, 0 Ω 1/8W	
R301	D0GB103JA006	Metal Film, 10k Ω 1/16W	
R302	D0GB103JA006	Metal Film, 10k Ω 1/16W	
R303	D0GB103JA006	Metal Film, 10k Ω 1/16W	
R304	D0GB103JA006	Metal Film, 10k Ω 1/16W	
R305	D0GB103JA006	Metal Film, 10k Ω 1/16W	
R306	D0GB103JA006	Metal Film, 10k Ω 1/16W	
R307	D0GB562JA006	Metal Film, 5.6k Ω 1/16W	
R310	D0GB122JA006	Metal Film, 1.2k Ω 1/16W	
R312	D0GB104JA006	Metal Film, 100k Ω 1/16W	
R313	D0GB104JA006	Metal Film, 100k Ω 1/16W	
R314	D0YBR0000011	Registor, 0 Ω 1/8W	
R316	D0YBR0000011	Registor, 0 Ω 1/8W	
R318	D0GB103JA006	Metal Film, 10k Ω 1/16W	
R319	D0GB103JA006	Metal Film, 10k Ω 1/16W	
R320	D0GB561JA006	Metal Film, 560 Ω 1/16W	
R321	D0GB473JA006	Metal Film, 47k Ω 1/16W	
R322	D0GB102JA006	Metal Film, 1k Ω 1/16W	
R325	D0GB183JA006	Metal Film, 18k Ω 1/16W	
R326	D0GD750JA012	Metal Film, 75 Ω 1/10W	
R327	D0GB221JA006	Metal Film, 220 Ω 1/16W	
R330	D0GB471JA006	Metal Film, 470 Ω 1/16W	
R331	D0GB681JA006	Metal Film, 680 Ω 1/16W	
R334	ERJ3GEYJ750V	Chip, 75 Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R335	D0GB105JA006	Metal Film, 1M Ω 1/16W	
R336	D0YBR0000011	Registor, 0 Ω 1/8W	
R337	D0GB102JA006	Metal Film, 1k Ω 1/16W	
R340	D0YBR0000011	Registor, 0 Ω 1/8W	
R341	D0GB102JA006	Metal Film, 1k Ω 1/16W	
R346	D0GB101JA006	Metal Film, 100 Ω 1/16W	
R347	D0GB101JA006	Metal Film, 100 Ω 1/16W	
R349	D0GB101JA006	Metal Film, 100 Ω 1/16W	
R350	D0GB101JA006	Metal Film, 100 Ω 1/16W	
R354	D0GB473JA006	Metal Film, 47k Ω 1/16W	
R355	D0GB473JA006	Metal Film, 47k Ω 1/16W	
R356	D0GB681JA006	Metal Film, 680 Ω 1/16W	
R357	ERJ3GEYJ684V	Chip, 680k Ω 1/16W	
R401	ERJ6ENF1801	Chip, 1.8k Ω 1/10W	
R402	ERJ6ENF4701	Chip, 4.7k Ω 1/10W	
R403	D0GD124JA012	Metal Film, 120k Ω 1/10W	
R404	ERJ6ENF4701	Chip, 4.7k Ω 1/10W	
R405	ERJ12RQJR33U	Chip, 0.33 Ω 1/2W	
R406	ERJ6GEYJ220	Chip, 22 Ω 1/10W	
R407	D0GD333JA012	Metal Film, 33k Ω 1/10W	
R408	D0GD182JA012	Metal Film, 1.8k Ω 1/10W	
R409	ERJ14YJ561H	Chip, 560 ohms 1/4W	
R410	D0GD153JA012	Metal Film, 15k Ω 1/10W	
R411	D0GD103JA012	Metal Film, 10k Ω 1/10W	
R412	ERJ14YJ331H	Chip, 330 Ω 1/4W	
R413	ERJ14YJ331H	Chip, 330 Ω 1/4W	
R414	D0GD333JA012	Metal Film, 33k Ω 1/10W	
R415	D0GD393JA012	Metal Film, 39k Ω 1/10W	
R416	D0GD153JA012	Metal Film, 15k Ω 1/10W	
R417	D0GD153JA012	Metal Film, 15k Ω 1/10W	
R419	D0GD332JA012	Metal Film, 3.3k Ω 1/10W	
R420	D0GD124JA012	Metal Film, 120k Ω 1/10W	
R421	ERJ12RQJR33U	Chip, 0.33 Ω 1/2W	
R422	D0GD182JA012	Metal Film, 1.8k Ω 1/10W	
R423	ERJ6GEYJ220	Chip, 22 Ω 1/10W	
R424	ERJ14YJ561H	Chip, 560 ohms 1/4W	
R425	D0GD100JA012	Metal Film, 10 Ω 1/10W	
R431	D0GD103JA012	Metal Film, 10k Ω 1/10W	
R432	D0GD223JA012	Metal Film, 22k Ω 1/10W	
R433	D0YDR0000016	Registor, 0 Ω 1/8W	
R434	D0GB561JA006	Metal Film, 560 Ω 1/16W	
R435	D0YDR0000016	Registor, 0 Ω 1/8W	
R500	D0GB473JA006	Metal Film, 47k Ω 1/16W	
R501	D0GB101JA006	Metal Film, 100 Ω 1/16W	
R502	D0GB332JA006	Metal Film, 3.3k Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R503	D0GB103JA006	Metal Film, 10k Ω 1/16W	
R504	D0GB151JA006	Metal Film, 150 Ω 1/16W	
R505	D0GB471JA006	Metal Film, 470 Ω 1/16W	
R506	D0YBR0000011	Registor, 0 Ω 1/8W	
R507	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R508	D0YBR0000011	Registor, 0 Ω 1/8W	
R509	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R510	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R511	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R512	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R513	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R514	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R518	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R519	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R520	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R521	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R522	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R523	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R524	D0GB473JA006	Metal Film, 47k Ω 1/16W	
R525	D0GB473JA006	Metal Film, 47k Ω 1/16W	
R526	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R527	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R528	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R529	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R530	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R531	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R532	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R533	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R534	D0GB473JA006	Metal Film, 47k Ω 1/16W	
R536	D0GB102JA006	Metal Film, 1k Ω 1/16W	
R538	D0YBR0000011	Registor, 0 Ω 1/8W	
R539	D0GB103JA006	Metal Film, 10k Ω 1/16W	
R541	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R543	D0GB473JA006	Metal Film, 47k Ω 1/16W	
R545	D0GB473JA006	Metal Film, 47k Ω 1/16W	
R546	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R549	D0GB473JA006	Metal Film, 47k Ω 1/16W	
R550	D0GB473JA006	Metal Film, 47k Ω 1/16W	
R553	D0GB473JA006	Metal Film, 47k Ω 1/16W	
R554	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R555	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R556	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R557	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R558	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R559	D0GB220JA006	Metal Film, 22 Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R560	D0GB473JA006	Metal Film, 47k Ω 1/16W	
R563	D0GB473JA006	Metal Film, 47k Ω 1/16W	
R565	D0GB473JA006	Metal Film, 47k Ω 1/16W	
R566	D0YBR0000011	Registor, 0 Ω 1/8W	
R567	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R568	D0GB202JA006	Metal Film, 2k Ω 1/16W	
R569	D0GB202JA006	Metal Film, 2k Ω 1/16W	
R570	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R571	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R572	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R573	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R582	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R583	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R584	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R585	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R586	D0GB271JA006	Metal Film, 270 Ω 1/16W	
R587	D0GB271JA006	Metal Film, 270 Ω 1/16W	
R588	D0GB271JA006	Metal Film, 270 Ω 1/16W	
R589	D0GB302JA006	Metal Film, 3k Ω 1/16W	
R590	D0GB101JA006	Metal Film, 100 Ω 1/16W	
R593	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R594	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R595	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R596	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R597	D0GB103JA006	Metal Film, 10k Ω 1/16W	
R598	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R599	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R601	ERJ3GEYJ750V	Chip, 75 Ω 1/16W	
R602	D0GB102JA006	Metal Film, 1k Ω 1/16W	
R603	D0GB102JA006	Metal Film, 1k Ω 1/16W	
R604	ERJ3GEYJ750V	Chip, 75 Ω 1/16W	
R605	ERJ3GEYJ750V	Chip, 75 Ω 1/16W	
R606	ERJ3GEYJ750V	Chip, 75 Ω 1/16W	
R607	D0GB222JA006	Metal Film, 2.2k Ω 1/16W	
R608	D0GB473JA006	Metal Film, 47k Ω 1/16W	
R609	D0GB222JA006	Metal Film, 2.2k Ω 1/16W	
R610	D0GB473JA006	Metal Film, 47k Ω 1/16W	
R611	D0GB222JA006	Metal Film, 2.2k Ω 1/16W	
R612	D0GB822JA006	Metal Film, 8.2k Ω 1/16W	
R613	D0GB222JA006	Metal Film, 2.2k Ω 1/16W	
R614	D0GB822JA006	Metal Film, 8.2k Ω 1/16W	
R615	D0GB334JA006	Metal Film, 330k Ω 1/16W	
R616	D0GB334JA006	Metal Film, 330k Ω 1/16W	
R617	D0GB122JA006	Metal Film, 1.2k Ω 1/16W	
R618	D0GB122JA006	Metal Film, 1.2k Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R619	D0GB221JA006	Metal Film, 220 Ω 1/16W	
R620	D0GB562JA006	Metal Film, 5.6k Ω 1/16W	
R621	D0GB562JA006	Metal Film, 5.6k Ω 1/16W	
R622	D0YBR0000011	Registor, 0 Ω 1/8W	
R624	D0GB102JA006	Metal Film, 1k Ω 1/16W	
R625	D0GB103JA006	Metal Film, 10k Ω 1/16W	
R626	D0GB472JA006	Metal Film, 4.7k Ω 1/16W	
R627	D0GB472JA006	Metal Film, 4.7k Ω 1/16W	
R628	D0GB221JA006	Metal Film, 220 Ω 1/16W	
R629	D0YBR0000011	Registor, 0 Ω 1/8W	
R630	D0GB221JA006	Metal Film, 220 Ω 1/16W	
R631	D0GB102JA006	Metal Film, 1k Ω 1/16W	
R632	D0GB102JA006	Metal Film, 1k Ω 1/16W	
R633	D0GB102JA006	Metal Film, 1k Ω 1/16W	
R634	D0GB102JA006	Metal Film, 1k Ω 1/16W	
R635	D0YBR0000011	Registor, 0 Ω 1/8W	
R636	D0YBR0000011	Registor, 0 Ω 1/8W	
R637	D0GB102JA006	Metal Film, 1k Ω 1/16W	
R638	D0GB102JA006	Metal Film, 1k Ω 1/16W	
R639	D0GB102JA006	Metal Film, 1k Ω 1/16W	
R640	D0YBR0000011	Registor, 0 Ω 1/8W	
R641	ERJ3GEYJ106V	Chip, 10M Ω 1/16W	
R642	D0GB473JA006	Metal Film, 47k Ω 1/16W	
R643	D0GB473JA006	Metal Film, 47k Ω 1/16W	
R644	D0GB473JA006	Metal Film, 47k Ω 1/16W	
R645	D0YBR0000011	Registor, 0 Ω 1/8W	
R646	D0YBR0000011	Registor, 0 Ω 1/8W	
R647	D0YBR0000011	Registor, 0 Ω 1/8W	
R648	D0GB473JA006	Metal Film, 47k Ω 1/16W	
R649	D0GB473JA006	Metal Film, 47k Ω 1/16W	
R650	D0YBR0000011	Registor, 0 Ω 1/8W	
R652	D0YBR0000011	Registor, 0 Ω 1/8W	
R653	D0YBR0000011	Registor, 0 Ω 1/8W	
R654	D0GB220JA006	Metal Film, 22 Ω 1/16W	
R655	D0GB182JA006	Metal Film, 1.8k Ω 1/16W	
R656	D0GB102JA006	Metal Film, 1k Ω 1/16W	
R658	D0GB102JA006	Metal Film, 1k Ω 1/16W	
R659	D0GB100JA006	Metal Film, 10 Ω 1/16W	
R660	D0GB182JA006	Metal Film, 1.8k Ω 1/16W	
R661	D0GB182JA006	Metal Film, 1.8k Ω 1/16W	
R662	D0GB102JA006	Metal Film, 1k Ω 1/16W	
R666	D0GB184JA006	Metal Film, 180k Ω 1/16W	
R667	D0GB103JA006	Metal Film, 10k Ω 1/16W	
R668	D0GB101JA006	Metal Film, 100 Ω 1/16W	
R669	D0YDR0000016	Registor, 0 Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R670	D0YDR0000016	Registor, 0 Ω 1/8W	
R672	D0YBR0000011	Registor, 0 Ω 1/8W	
R673	D0GB221JA006	Metal Film, 220 Ω 1/16W	
R674	D0GB221JA006	Metal Film, 220 Ω 1/16W	
R675	D0GB102JA006	Metal Film, 1k Ω 1/16W	
R676	D0GB471JA006	Metal Film, 470 Ω 1/16W	
R677	D0GB473JA006	Metal Film, 47k Ω 1/16W	
R678	D0GB471JA006	Metal Film, 470 Ω 1/16W	
R679	D0GB473JA006	Metal Film, 47k Ω 1/16W	
R680	D0GB471JA006	Metal Film, 470 Ω 1/16W	
R681	D0GB103JA006	Metal Film, 10k Ω 1/16W	
R685	D0YBR0000011	Registor, 0 Ω 1/8W	
R687	D0GB102JA006	Metal Film, 1k Ω 1/16W	
R689	D0YDR0000016	Registor, 0 Ω 1/8W	
R691	D0GB102JA006	Metal Film, 1k Ω 1/16W	
R694	D0GB103JA006	Metal Film, 10k Ω 1/16W	
R697	D0GB102JA006	Metal Film, 1k Ω 1/16W	
R699	D0GB473JA006	Metal Film, 47k Ω 1/16W	
R701	ERJ14YJ390H	Chip, 39 Ω 1/4W	
R702	D0GB103JA006	Metal Film, 10k Ω 1/16W	
R703	D0GB102JA006	Metal Film, 1k Ω 1/16W	
R704	D0GD562JA012	Metal Film, 5.6k Ω 1/10W	
R705	ERJ12YJ102H	Chip, 1k Ω 1/2W	
R706	ERJ12YJ102H	Chip, 1k Ω 1/2W	
R708	D0GD821J0001	Metal Film, 820 Ω 1/10W	
R710	D0GD154JA012	Metal Film, 150k Ω 1/10W	
R711	D0GD273JA012	Metal Film, 27k Ω 1/10W	
R712	D0GD274JA012	Metal Film, 270k Ω 1/10W	
R713	D0GD393JA012	Metal Film, 39k Ω 1/10W	
R714	D0YDR0000016	Registor, 0 Ω 1/8W	
R715	D0YDR0000016	Registor, 0 Ω 1/8W	
R716	D0YFR0000011	Registor, 0 Ω 1/8W	
R717	D0YFR0000011	Registor, 0 Ω 1/8W	
R718	D0GB471JA006	Metal Film, 470 Ω 1/16W	
R719	ERJ12YJ681H	Chip, 680 Ω 1/2W	
R720	D0GD822J0001	Metal Film, 8.2k Ω 1/10W	
R721	ERJ6ENF1002	Chip, 10k Ω 1/10W	
R722	ERJ6ENF4702	Chip, 47k Ω 1/10W	
R723	D0GD103JA012	Metal Film, 10k Ω 1/10W	
R724	D0GD103JA012	Metal Film, 10k Ω 1/10W	
R725	ERJ6ENF3302	Chip, 33k Ω 1/10W	
R726	ERJ6ENF3302	Chip, 33k Ω 1/10W	
R727	D0GD472JA012	Metal Film, 4.7k Ω 1/10W	
R728	ERJ6ENF1002	Chip, 10k Ω 1/10W	
R729	ERJ6ENF4702	Chip, 47k Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R730	D0GB153JA006	Metal Film, 15k Ω 1/16W	
R731	ERJ6ENF1002	Chip, 10k Ω 1/10W	
R732	ERJ6ENF1002	Chip, 10k Ω 1/10W	
R733	ERJ6ENF1202	Chip, 12k Ω 1/10W	
R734	D0GD184JA012	Metal Film, 180k Ω 1/10W	
R735	ERJ12RQJR33U	Chip, 0.33 Ω 1/2W	
R736	D0GB182JA006	Metal Film, 1.8k Ω 1/16W	
R737	ERJ12YJ681H	Chip, 680 Ω 1/2W	
R738	D0GB102JA006	Metal Film, 1k Ω 1/16W	
R739	ERJ6ENF3601	Chip, 3.6k Ω 1/10W	
R740	ERJ6ENF6801	Chip, 6.8k Ω 1/10W	
R741	D0GB153JA006	Metal Film, 15k Ω 1/16W	
R742	ERJ6ENF1002	Chip, 10k Ω 1/10W	
R743	ERJ6ENF3301	Chip, 3.3k Ω 1/10W	
R744	ERJ12RQJR33U	Chip, 0.33 Ω 1/2W	
R745	D0GB124JA006	Metal Film, 120k Ω 1/16W	
R746	ERJ6ENF3601	Chip, 3.6k Ω 1/10W	
R747	ERJ6ENF2201	Chip, 2.2k Ω 1/10W	
R748	ERJ6ENF3001	Chip, 3k Ω 1/10W	
R749	ERJ6ENF6801	Chip, 6.8k Ω 1/10W	
R750	D0GB102JA006	Metal Film, 1k Ω 1/16W	
R752	ERJ6ENF4701	Chip, 4.7k Ω 1/10W	
R753	ERJ6ENF3901	Chip, 3.9k Ω 1/10W	
R754	ERJ6ENF1201	Chip, 1.2k Ω 1/10W	
R761	D0GD4R7JA012	Metal Film, 4.7 Ω 1/10W	
R802	D0GB101JA006	Metal Film, 100 Ω 1/16W	
R803	D0GB101JA006	Metal Film, 100 Ω 1/16W	
R804	D0GB101JA006	Metal Film, 100 Ω 1/16W	
R805	D0GB470JA006	Metal Film, 47 Ω 1/16W	
R809	D0GB102JA006	Metal Film, 1k Ω 1/16W	
R810	D0GB103JA006	Metal Film, 10k Ω 1/16W	
R811	D0GB224JA006	Metal Film, 220k Ω 1/16W	
R812	D0GB224JA006	Metal Film, 220k Ω 1/16W	
R814	D0GB332JA006	Metal Film, 3.3k Ω 1/16W	
R815	D1BD10020002	Metal Film, 10k Ω 1/10W	
R816	D0GB184JA006	Metal Film, 180k Ω 1/16W	
R817	D0GB222JA006	Metal Film, 2.2k Ω 1/16W	
R818	D0GB473JA006	Metal Film, 47k Ω 1/16W	
R819	D0GB471JA006	Metal Film, 470 Ω 1/16W	
R820	D0GB682JA006	Metal Film, 6.8k Ω 1/16W	
R823	D0GB103JA006	Metal Film, 10k Ω 1/16W	
R825	D0GB105JA006	Metal Film, 1M Ω 1/16W	
R826	ERJ3GEYJ106V	Chip, 10M Ω 1/16W	
R827	ERJ3GEYJ512V	Chip, 5.1k Ω 1/16W	
R828	D0GB332JA006	Metal Film, 3.3k Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R829	D0GB331JA006	Metal Film, 330 Ω 1/16W	
R831	D0GB101JA006	Metal Film, 100 Ω 1/16W	
R832	D0GB101JA006	Metal Film, 100 Ω 1/16W	
R834	D0GB331JA006	Metal Film, 330 Ω 1/16W	
R835	D0GB103JA006	Metal Film, 10k Ω 1/16W	
R836	D0GB332JA006	Metal Film, 3.3k Ω 1/16W	
R837	D0GB101JA006	Metal Film, 100 Ω 1/16W	
R838	D0GB222JA006	Metal Film, 2.2k Ω 1/16W	
R839	D0GB182JA006	Metal Film, 1.8k Ω 1/16W	
R840	D0GB121JA006	Metal Film, 120 Ω 1/16W	
R841	D0GB221JA006	Metal Film, 220 Ω 1/16W	
CONNECTORs			
CN101	YEAE52559402	Connector, 40P	
CN102	K1CB104B0009	Connector, 4P	
CN401	K1PA06D00007	Connector, 6P	
CN402	K1KB30B00023	Connector, 30P	
CN403	K1MN40B00006	Connector, 40P	
CN404	YEAE5274514	Connector, 14P	
CN405	K1KA30A00132	Connector, 30P	
CN500	YEAETKCF06RS	Connector, 6P	
CN601	K1FB120E0001	Connector, 20P	
CN701	YEAE012748	Connector, 16P	
CN702	K1KA06A00008	Connector, 6P	
CN703	YEAE5339802	Connector, 2P	
SWITCHE			
SW602	YEAS07174	Switch	
SW603	YEAS07174	Switch	
CERAMIC FILTERs			
FB151	J0JHC0000026	Noise Filter	
FB152	J0JHC0000026	Noise Filter	
FB153	J0JHC0000026	Noise Filter	
FB154	J0JHC0000026	Noise Filter	
FB155	J0JHC0000026	Noise Filter	
FB156	J0JHC0000026	Noise Filter	
FB157	J0JHC0000026	Noise Filter	
FB201	J0JHC0000026	Noise Filter	
FB202	J0JHC0000026	Noise Filter	
FB203	J0JHC0000026	Noise Filter	
FB204	J0JHC0000026	Noise Filter	
FB301	J0JHC0000026	Noise Filter	
FB302	J0JHC0000026	Noise Filter	
FB303	J0JHC0000026	Noise Filter	
FB304	J0JHC0000026	Noise Filter	
FB309	J0JHC0000026	Noise Filter	
FB502	J0JHC0000026	Noise Filter	
FB503	J0JHC0000026	Noise Filter	

Ref. No.	Part No.	Part Name & Description	Remarks
FB504	J0JHC0000026	Noise Filter	
FB506	J0JHC0000026	Noise Filter	
FB508	J0JHC0000026	Noise Filter	
FB509	J0JHC0000026	Noise Filter	
FB511	J0JHC0000026	Noise Filter	
FB513	J0JHC0000026	Noise Filter	
FB602	J0JHC0000026	Noise Filter	
FB603	J0JCC0000030	Noise Filter	
FB604	J0JCC0000030	Noise Filter	
FB620	J0JHC0000026	Noise Filter	
FB708	J0JHC0000026	Noise Filter	
LC506	J0HACA000003	Noise Filter	
LC507	J0HAAB000018	Noise Filter	
LC508	J0HAAB000018	Noise Filter	
LC509	J0HAAB000018	Noise Filter	
R352	J0JHC0000026	Noise Filter	
COILs			
FB158	YELTBLM21P3S	Coil	
FB251	YELTBLM21P3S	Coil	
FB252	YELTBLM21P3S	Coil	
FB507	YELTBLM21A10	Coil	
FB510	YELTBLM21A10	Coil	
FB514	YELTBLM21P3S	Coil	
FB605	YELTBMHS800T	Coil	
FB701	YELTBLM2A102	Coil	
FB713	YELTBMHS800T	Coil	
L151	YELT03N2R2KT	Coil	
L152	YELT03N220JT	Coil	
L201	YELT03N101JT	Coil	
L301	YELT03N220JT	Coil	
L303	YELT03N100KT	Coil	
L304	YELT03N100KT	Coil	
L305	YELT03N100KT	Coil	
L306	YELT03N100KT	Coil	
L401	G1B680M00002	Coil	
L411	YELTH4N470KT	Coil	
L412	G1C101K00011	Coil	
L413	G1C101K00011	Coil	
L414	YELT03N221JT	Coil	
L501	YETQLM250S30	Coil	
L502	YETQLM250S30	Coil	
L601	YELT03N220JT	Coil	
L602	YELT03N220JT	Coil	
L603	YELT03N220JT	Coil	
L604	YELT03N220JT	Coil	
L701	YELT03N100KT	Coil	
L702	G1C220Z00004	Coil	
L711	ELC08D220	Coil	
L712	G1C220Z00005	Coil	
L713	G1C220Z00005	Coil	
L801	G1C101K00011	Coil	
L802	YELT03N470JT	Coil	

Ref. No.	Part No.	Part Name & Description	Remarks
L803	**YELT03N101JT**	**Coil**	
L804	**ELJFC220JF**	**Coil**	
R592	**YELTBLM21P3S**	**Coil**	
T401	**ETJ11K108AM**	**Transformer**	
VARIABLE RESISTOR			
VR401	**YEVN412C4R7K**	**Variable Resistor**	
RESISTOR NETWORKs			
RA301	**D1H822040002**	**Resistor Network**	
RA302	**D1H822040002**	**Resistor Network**	
RA505	**D1H822040002**	**Resistor Network**	
RA506	**D1H822040002**	**Resistor Network**	
RA507	**D1H822040002**	**Resistor Network**	
RA508	**D1H822040002**	**Resistor Network**	
RA509	**D1H822040002**	**Resistor Network**	
RA510	**D1H822040002**	**Resistor Network**	
RA511	**D1H822040002**	**Resistor Network**	
RA512	**D1H822040002**	**Resistor Network**	
RA513	**D1H822040002**	**Resistor Network**	
RA514	**D1H822040002**	**Resistor Network**	
RA515	**D1H822040002**	**Resistor Network**	
RA516	**D1H822040002**	**Resistor Network**	
RA517	**D1H822040002**	**Resistor Network**	
RA518	**D1H822040002**	**Resistor Network**	
RA519	**D1H822040002**	**Resistor Network**	
RA520	**D1H822040002**	**Resistor Network**	
RA521	**D1H822040002**	**Resistor Network**	
RA522	**D1H822040002**	**Resistor Network**	
RA523	**D1H822040002**	**Resistor Network**	
RA524	**D1H822040002**	**Resistor Network**	
RA525	**D1H822040002**	**Resistor Network**	
RA526	**D1H882040001**	**Resistor Network**	
RA527	**D1H882040001**	**Resistor Network**	
RA528	**D1H822040002**	**Resistor Network**	
RA529	**D1H882040001**	**Resistor Network**	
RA530	**D1H882040001**	**Resistor Network**	
RA531	**D1H882040001**	**Resistor Network**	
RA532	**D1H882040001**	**Resistor Network**	
RA533	**D1H882040001**	**Resistor Network**	
RA534	**D1H882040001**	**Resistor Network**	
RA535	**D1H822040002**	**Resistor Network**	
RA536	**D1H822040002**	**Resistor Network**	
RA537	**D1H822040002**	**Resistor Network**	
RA538	**D1H822040002**	**Resistor Network**	
RA539	**D1H822040002**	**Resistor Network**	
RA540	**D1H882040001**	**Resistor Network**	
RA541	**D1H882040001**	**Resistor Network**	
RA542	**D1H882040001**	**Resistor Network**	
RA543	**D1H822040002**	**Resistor Network**	
RA544	**D1H822040002**	**Resistor Network**	
RA545	**D1H822040002**	**Resistor Network**	

Ref. No.	Part No.	Part Name & Description	Remarks
RA546	D1H882040001	Resistor Network	
RA547	D1H882040001	Resistor Network	
RA548	D1H882040001	Resistor Network	
RA549	D1H882040001	Resistor Network	
RA550	D1H822040002	Resistor Network	
RA551	D1H822040002	Resistor Network	
RA552	D1H822040002	Resistor Network	
RA553	D1H822040002	Resistor Network	
RA554	D1H822040002	Resistor Network	
RA555	D1H822040002	Resistor Network	
RA556	D1H822040002	Resistor Network	
RA601	D1H810240004	Resistor Network	
RA602	D1H810240004	Resistor Network	
RA603	D1H810240004	Resistor Network	
RA604	D1H810240004	Resistor Network	
RA605	D1H810240004	Resistor Network	
RA606	D1H810240004	Resistor Network	
RA607	D1H810240004	Resistor Network	
RA608	D1H810240004	Resistor Network	
RA610	D1H810240004	Resistor Network	
RA611	D1H810240004	Resistor Network	
RA612	D1H810240004	Resistor Network	
RA613	D1H810240004	Resistor Network	
RA614	D1H810340005	Resistor Network	
[E-9145Aa/b] Monitor/Switch Block			
ICs AND TRANSISTORs			
IC151	B3MBZ0000006	IC	
IC791	C0BBBA000030	IC	
IC901	C0HBA0000042	IC	
IC902	YEAMM2107FT1	IC	
IC903	YEAM75W558FU	IC	
IC905	C0FBBD000038	IC	
IC906	PNA4603H	IC	
Q153	YEANC114YUTX	Transistor	
Q791	YEANFMC5KTX	Transistor	
Q905	2SD0601AHR	Transistor	
Q906	2SB709TX	Transistor	
Q907	YEANIMZ1TX	Transistor	
Q912	YEANC114YUTX	Transistor	
Q913	2SB709TX	Transistor	
Q914	YEANC4132T	Transistor	
Q915	YEANC4132T	Transistor	
Q921	YEANC114YUTX	Transistor	
DIODEs			
D151	MA8056LMHTX	Diode	
D152	MA8056LMHTX	Diode	
D153	LNJ306G5TUWQ	LED	
D154	LNJ306G5TUWQ	LED	
D155	LNJ306G5TUWQ	LED	

Ref. No.	Part No.	Part Name & Description	Remarks
D156	LNJ306G5TUWQ	LED	
D157	LNJ306G5TUWQ	LED	
D158	LNJ306G5TUWQ	LED	
D159	LNJ306G5TUWQ	LED	
D160	LNJ306G5TUWQ	LED	
D161	MA8056LMHTX	Diode	
D162	LNJ306G5TUWQ	LED	
D163	LNJ306G5TUWQ	LED	
D164	LNJ306G5TUWQ	LED	
D166	LNJ306G5TUWQ	LED	
D171	LNJ906W5BUW	LED	
D901	MA2X33800L	Diode	
D904	MA2J72900L	Diode	
D905	MA3J741D0L	Diode	
D911	MA8056LMHTX	Diode	
D912	YEADPG1101F	LED	
D913	YEADPG1101F	LED	
D915	MAZ803300L	Diode	
D916	MAZ803300L	Diode	
D917	MAZ803300L	Diode	
D919	MA8051-HTX	Diode	
D920	MA2J72900L	Diode	
CAPACITORs			
C151	YECUZ1A224KX	Ceramic, 0.22 μF 10WV	
C153	YECUZ1H103KX	Ceramic, 0.01 μF 50WV	
C154	YECUZ1H103KX	Ceramic, 0.01 μF 50WV	
C155	YECUZ1H103KX	Ceramic, 0.01 μF 50WV	
C156	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C791	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C792	YECUV0J106KX	Ceramic, 10 μF 6.3WV	
C793	YECUZ1C333KX	Ceramic, 0.033 μF 16WV	
C794	YECUZ1H103KX	Ceramic, 0.01 μF 50WV	
C901	YECUZ1H330JC	Ceramic, 33pF 50WV	
C902	F1H1H681A201	Ceramic, 680pF 50WV	
C903	F1H1H470A231	Ceramic, 47pF 50WV	
C904	F1H1H470A231	Ceramic, 47pF 50WV	
C905	F1H1H470A231	Ceramic, 47pF 50WV	
C909	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C912	YECUZ1H561KX	Ceramic, 560pF 50WV	
C913	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C914	YECUS1A105KX	Ceramic, 1 μF 10WV	
C915	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C916	EEFCD0J470R	Electrolytic, 47 μF 6.3WV	
C917	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C918	YECUZ1H102KX	Ceramic, 1000pF 50WV	
C919	YECUZ1H121JC	Ceramic, 120pF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C920	F1H1H152A201	Ceramic, 0.0015 μ F 50WV	
C921	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C922	EEFCD0J470R	Electrolytic, 47 μ F 6.3WV	
C923	EEFCD0J470R	Electrolytic, 47 μ F 6.3WV	
C924	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C926	EEFCD0J470R	Electrolytic, 47 μ F 6.3WV	
C927	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C928	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C929	F1H1H222A190	Ceramic, 2200pF 50WV	
C935	YECUU1C475KX	Tantalum, 4.7 μ F 16WV	
C936	YECUZ1H121JC	Ceramic, 120pF 50WV	
C937	YECUV1C225KX	Ceramic, 2.2 μ F 16WV	
C939	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C940	F1L1E1060015	Ceramic, 10 μ F 25WV	
C941	F1L1E1060015	Ceramic, 10 μ F 25WV	
C942	F1L1E1060015	Ceramic, 10 μ F 25WV	
C943	F1L1E1060015	Ceramic, 10 μ F 25WV	
C944	YECUV1C225KX	Ceramic, 2.2 μ F 16WV	
C945	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C946	F1L1C1060028	Ceramic, 10 μ F 16WV	
C947	F1L1C1060028	Ceramic, 10 μ F 16WV	
C948	F1L1C1060028	Ceramic, 10 μ F 16WV	
C949	F1L1C1060028	Ceramic, 10 μ F 16WV	
C950	F1L1C1060028	Ceramic, 10 μ F 16WV	
C951	F1L1E1060015	Ceramic, 10 μ F 25WV	
C952	F1L1E1060015	Ceramic, 10 μ F 25WV	
C953	F1L1E1060015	Ceramic, 10 μ F 25WV	
C954	F1L1E1060015	Ceramic, 10 μ F 25WV	
C955	F1L1C1060028	Ceramic, 10 μ F 16WV	
C956	EEFCD0J470R	Electrolytic, 47 μ F 6.3WV	
C957	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C958	F1L1E1060015	Ceramic, 10 μ F 25WV	
C959	F1L1C1060028	Ceramic, 10 μ F 16WV	
C960	F1L1C1060028	Ceramic, 10 μ F 16WV	
C961	F1L1C1060028	Ceramic, 10 μ F 16WV	
C962	F1L1C1060028	Ceramic, 10 μ F 16WV	
C963	EEFCD0J470R	Electrolytic, 47 μ F 6.3WV	
C965	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C966	YECUS1A105KX	Ceramic, 1 μ F 10WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C967	F1L1E1060015	Ceramic, 10 μF 25WV	
C968	F1L1E1060015	Ceramic, 10 μF 25WV	
C969	F1L1E1060015	Ceramic, 10 μF 25WV	
C971	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C972	ECHU1H563JC9	Plastic Film, 0.056 μF 50WV	
C975	ECCT3F180KG	Plastic Film, 18pF	
C980	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C981	YECUV0J106KX	Ceramic, 10 μF 6.3WV	
C982	YECUV0J106KX	Ceramic, 10 μF 6.3WV	
C983	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C985	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C986	YECUS1A105KX	Ceramic, 1 μF 10WV	
C991	YECUZ1H102KX	Ceramic, 1000pF 50WV	
RESISTORs			
R151	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R152	ERJ3GEYJ272V	Chip, 2.7k Ω 1/16W	
R153	ERJ3GEYJ392V	Chip, 3.9k Ω 1/16W	
R154	ERJ3GEYJ822V	Chip, 8.2k Ω 1/16W	
R155	ERJ3GEYJ243V	Chip, 24k Ω 1/16W	
R157	ERJ3GEYJ182V	Chip, 1.8k Ω 1/16W	
R158	ERJ3GEYJ332V	Chip, 3.3k Ω 1/16W	
R159	ERJ3GEYJ682V	Chip, 6.8k Ω 1/16W	
R160	ERJ6GEYJ221	Chip, 220 Ω 1/10W	
R161	ERJ6GEYJ221	Chip, 220 Ω 1/10W	
R162	ERJ6GEYJ221	Chip, 220 Ω 1/10W	
R163	ERJ6GEYJ221	Chip, 220 Ω 1/10W	
R164	ERJ3GEYJ182V	Chip, 1.8k Ω 1/16W	
R165	ERJ3GEYJ332V	Chip, 3.3k Ω 1/16W	
R167	ERJ3GEYJ682V	Chip, 6.8k Ω 1/16W	
R168	ERJ6GEYJ681	Chip, 680 Ω 1/10W	
R169	ERJ6GEYJ681	Chip, 680 Ω 1/10W	
R170	ERJ6GEYJ681	Chip, 680 Ω 1/10W	
R171	ERJ6GEYJ681	Chip, 680 Ω 1/10W	
R172	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	
R175	ERJ6GEYJ331	Chip, 330 Ω 1/10W	
R176	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R785	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R786	ERJ3GEYJ183V	Chip, 18k Ω 1/16W	
R787	ERJ3GEYJ562V	Chip, 5.6k Ω 1/16W	
R788	ERJ3GEYJ682V	Chip, 6.8k Ω 1/16W	
R789	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R790	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R791	ERJ3GEYJ153V	Chip, 15k Ω 1/16W	
R792	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R901	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	
R902	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R903	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R904	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R905	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R906	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R907	ERJ3GEYJ470V	Chip, 47 Ω 1/16W	
R908	ERJ6GEYJ151	Chip, 150 Ω 1/10W	
R909	ERJ6GEYJ151	Chip, 150 Ω 1/10W	
R910	ERJ6GEYJ151	Chip, 150 Ω 1/10W	
R911	ERJ3GEYJ393V	Chip, 39k Ω 1/16W	
R912	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R913	ERJ3GEYJ683V	Chip, 68k Ω 1/16W	
R914	ERJ3GEYJ683V	Chip, 68k Ω 1/16W	
R915	ERJ3GEYJ105V	Chip, 1M Ω 1/16W	
R916	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R917	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R918	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R919	ERJ3GEYJ221V	Chip, 220 Ω 1/16W	
R920	ERJ3GEYJ223V	Chip, 22k Ω 1/16W	
R922	ERJ3GEYJ822V	Chip, 8.2k Ω 1/16W	
R923	ERJ3GEYJ474V	Chip, 470k Ω 1/16W	
R924	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R932	ERJ6GEYJ153	Chip, 15k Ω 1/10W	
R934	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R935	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R936	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R937	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R940	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R941	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R944	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R945	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R947	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R948	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R952	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R961	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R962	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R965	ERJ3GEYJ822V	Chip, 8.2k Ω 1/16W	
R966	ERJ3GEYJ303V	Chip, 30k Ω 1/16W	
R967	ERJ6ENF2702	Chip, 27k Ω 1/10W	
R968	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R969	ERJ6GEYJ470	Chip, 47 Ω 1/10W	
R970	ERJ6GEYJ223	Chip, 22k Ω 1/10W	

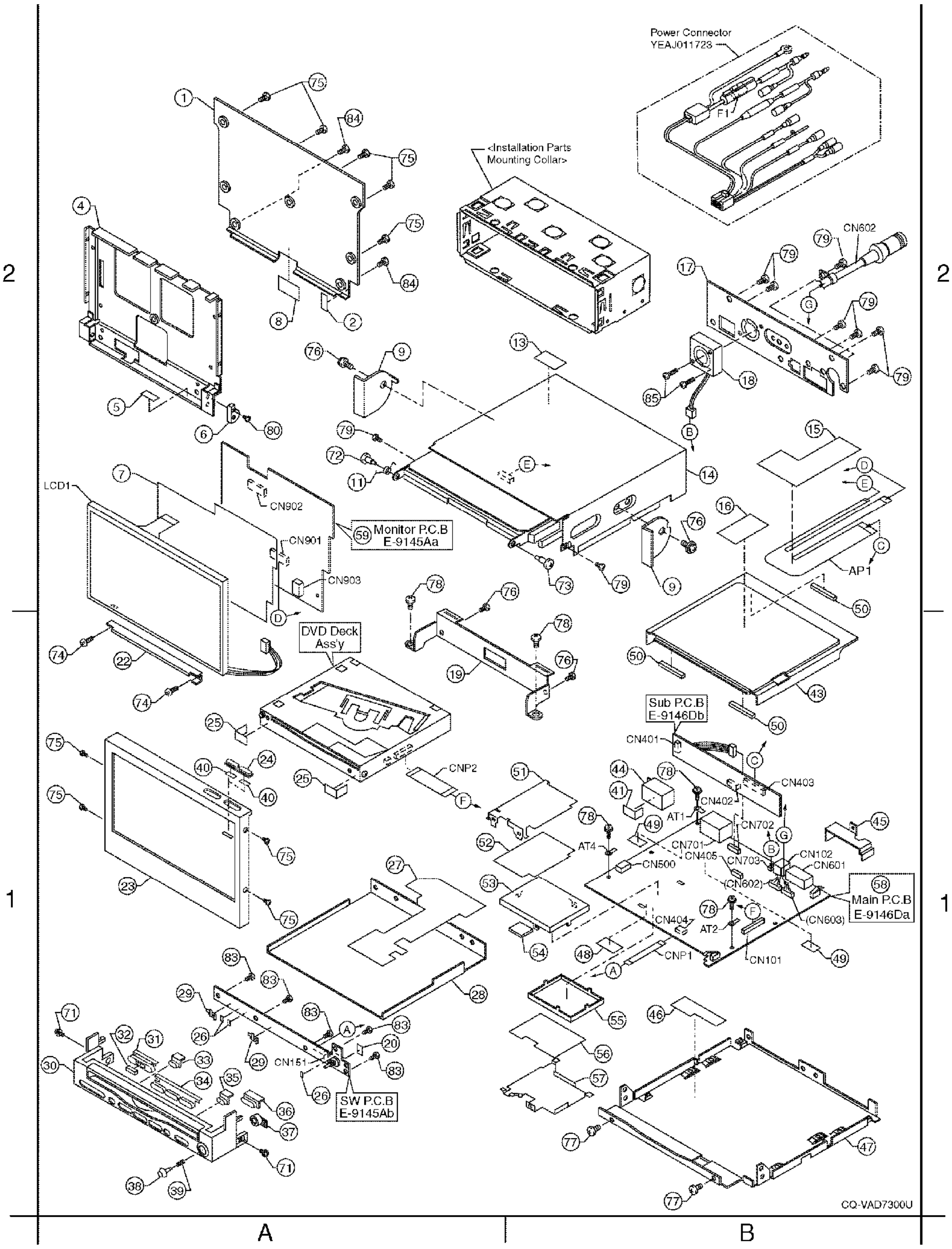
Ref. No.	Part No.	Part Name & Description	Remarks
R971	ERJ6GEYJ470	Chip, 47 Ω 1/10W	
R972	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R973	D1BD13020001	Metal Film, 13k Ω 1/10W	
R974	ERJ6ENF1803	Chip, 180k Ω 1/10W	
R975	ERJ3GEYJ153V	Chip, 15k Ω 1/16W	
R976	ERJ3GEYJ153V	Chip, 15k Ω 1/16W	
R977	ERJ6GEYJ273	Chip, 27k Ω 1/10W	
R978	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R979	ERJ14YJ471H	Chip, 470 Ω 1/4W	
R980	ERJ3GEYJ152V	Chip, 1.5k Ω 1/16W	
R981	ERJ3GEYJ152V	Chip, 1.5k Ω 1/16W	
R982	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R984	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R985	ERJ3GEYJ331V	Chip, 330 Ω 1/16W	
R986	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R987	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R988	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R989	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R991	ERJ3GEYJ221V	Chip, 220 Ω 1/16W	
R992	ERJ3GEYJ221V	Chip, 220 Ω 1/16W	
R993	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R994	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R995	ERJ6GEYJ271	Chip, 270 Ω 1/10W	
R996	ERJ6GEYJ271	Chip, 270 Ω 1/10W	
R997	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R998	ERJ3GEYJ223V	Chip, 22k Ω 1/16W	
CONNECTORs			
CN151	K1MN14B00035	Connector, 14P	
CN901	K1KB30B00015	Connector, 30P	
CN902	K1KB30B00024	Connector, 30P	
CN903	K1KA02B00100	Connector, 2P	
SWITCHE			
JOY151	K0MGZ9000001	Switch	
SW151	EVQPJX05M	Switch	
SW152	EVQPJX05M	Switch	
SW153	EVQPJX05M	Switch	
SW154	EVQPJX05M	Switch	
SW155	EVQPJX05M	Switch	
SW156	EVQPJX05M	Switch	
SW157	EVQPJX05M	Switch	
SW158	EVQPJX05M	Switch	
SW160	EVQPJX05M	Switch	
SW901	YEAS09311	Switch	
SW902	YEAS09311	Switch	

Ref. No.	Part No.	Part Name & Description	Remarks
CRYSTALs			
XL301	H0J135500013	Crystal OSC	
XL501	H0J825400001	Crystal OSC	
XL601	YEXL5F16000T	Crystal OSC	
XL602	YEXLMC60327	Crystal OSC	
XL801	YEXL49FW3579	Crystal OSC	
CERAMIC FILTERs			
R925	J0JBC0000010	Noise Filter	
R926	J0JBC0000010	Noise Filter	
R927	J0JBC0000010	Noise Filter	
R953	J0JBC0000010	Noise Filter	
COILs			
L904	YELT03N101JT	Coil	
L905	YELT03N1R2JT	Coil	
L906	YELT03N470JT	Coil	
L907	YELT03N470JT	Coil	
L908	YELT03N470JT	Coil	
L911	YELT03N100KT	Coil	
L912	YELT03N100KT	Coil	
L913	YELT03N100KT	Coil	
L914	YELT03N100KT	Coil	
L915	YELT03N100KT	Coil	
L916	YELT03N100KT	Coil	
L917	YELT03N100KT	Coil	
L921	G1A101G00008	Coil	
R955	YELTBMHS800T	Coil	
R956	YELTBMHS800T	Coil	
T901	ETJ15K17AM	Power Transformer	
VARIABLE RESISTOR			
VR901	EVM1SSX50B14	Variable Resistor	
RESISTOR NETWORK			
R983	EXBV8V102JV	Registor Network	
Accessories			
PRINTINGs			
	YEFM284012	Operating Instructions	
INSTALLATION PARTs			
	YEFG021010A	Mounting Bracket	
	YEAA12692	TV Antenna	
	YEAA12693	TV Antenna	

Ref. No.	Part No.	Part Name & Description	Remarks
	YEAJ011723	Power Connector / (for display unit)	
		Reverse Extension Cord / (for rear view camera)	
		Clip Connector	
	YEAJ09271	Ground Lead	
	YEFX9993009	Remote Controller	
	CR2025/1F	Lithium Battery	⚠
	YEFG012424	Base Bracket	
	YEFG012694	Mounting Collar	
	YEFG04019	Rear Support Strap	
	EAB507A	Speaker	
	YEFX9991793	Wiping Cloth	
	YEP9FZ2739	Trim Plate	
	YEFX0052424A	Mounting Spring	
	YEP9BS1152	Screws Kit	
	YEP9BS1169	Screws Kit	
	YEP9FZ2761	Spacer Kit	
	YEP9FZ3040	Cord Clamper Kit (Speaker)	
	YEP9BS1194	Screws Kit	
	YEP9FZ3042	Tape Kit	
	YEP9FZ3041	Cord Clamper Kit (Antenna)	
	YEAJ071458	Display Unit/Hide-away Unit Connecting Cord	
	YEAJ011666	Power Connector / (for Hide-away unit)	
	YEAA09141	Radio Antenna Extension Cord	
Mechanical Parts			
MISCELLANEOUS			
F1	XBB1F50NS5	Fuse, 5A	⚠
CNP1	K9ZZ00000855	Connector, 14P	
CNP2	K9ZZ00000977	Connector, 40P	
CN602	YEAJ011523	RGB Input Cord, 13p	
AP1	YEAP2764	Flexible PC Board	
AT1	YEATSD00405	Terminal	
AT2	YEATSD00405	Terminal	
AT4	YEATSD00405	Terminal	
LCD1	EDT70WZQM028	LCD	
1	YEFC027965	Rear Cover	
2	YEFX9992530	Seal	
4	YEFX9992450	Plate (A)	
5	YEFX9992580	Spacer	
6	YEFX0031102A	Gear	
7	YEFX9992460	Cover (B)	
8	YEFM99651	Seal	
9	YEFG02973	Front Brakect	
11	YEFX0052540A	Spring	
13	YEFX9992464	Seal	
14	YEP0FX4488B	Slide Mechanism Ass'y	
15	YEFX9992924	Copper Foil (B)	
16	YEFX9992921	Copper Foil (A)	
17	YEFA08557	Rear Plate	
18	L6FAGA9D0014	Motor	
19	YEFX0215954A	Bracket, Deck	

Ref. No.	Part No.	Part Name & Description	Remarks
20	YEFV012029	Insulator	
22	YEFX9992451	Plate (B)	
23	YEFC027871	Front Cover Ass'y	
24	YEFE137250	Button, Open-Tilt	
25	YEFV03759	Magnetic Shield	
26	YEFV021905	Optical Shade	
27	YEFV012209	Insulator	
28	YEFV03737	Magnetic Shield	
29	YEFX0052666	Spring	
30	YEFC027869	Escutcheon Ass'y	
31	YEFE137224	Button, VOL	
32	YEFE137225	Button	
33	YEFE137253	Button, Mute	
34	YEFE137252	Button, Preset	
35	YEFE137251	Button, ASPECT	
36	YEFE137254	Button, Eject	
37	YEFX0012108	Transparent Plate	
38	YEFE136418	Button, Operation	
39	YEFX0052247	Spring	
40	YEFX9992535	Metal Coating Seal	
41	YEFV012222	Insulator	
43	YEFV03736	Magnetic Shield	
44	YEFV03766	Shield	
45	YEFX0215128	Bracket	
46	YEFX9992912	Seal	
47	YEFA05841	Bottom Cover	
48	YEFX9992872	Pad	
49	YEFX9992873	Pad	
50	YEFS011884	Pad	
51	YEFV03763	Magnetic Shield	
52	YEFV012217	Insulator	
53	YEFV03738	Magnetic Shield	
54	YEFX9992871	Pad	
55	YEFV03739	Magnetic Shield	
56	YEFV012218	Insulator	
57	YEFV03764	Magnetic Shield	
58	YEP0PT9146C0	Main PCB Ass'y	RTL
59	YEP0PT9145A0	Monitor PCB Ass'y	RTL
71	YEJS06024	Screw, 2mm * 4mm	
72	YEJS06238	Screw	
73	YEJS06265A	Screw	
74	YEJS03020	Screw, 2mm * 4mm	
75	YEJS06266	Screw	
76	YEJT03261	Tapping Screw	
77	YEJT03293	Tapping Screw	
78	YEJT03133	Tapping Screw, 2.6mm * 6mm	
79	YEJT03131	Tapping Screw, 2.6mm * 5mm	
80	YEJT03146	Tapping Screw, 2mm * 8mm	
82	XTB3+6FFX	Tapping Screw, 3mm * 6mm	
83	XTB2+6GFX	Tapping Screw, 2mm * 6mm	
84	XTB2+8GFZ	Tapping Screw	
85	XYN2+C12FX	Screw	

14. EXPLODED VIEW [Display Unit]


Power Connector YEAJ011723
F1
<Installation Parts Mounting Collar>
CN602
LCD1
CN902
CN901
CN903
Monitor P.C.B E-9145Aa
DVD Deck Ass'y
CNP2
Sub P.C.B E-9146Db
CN401
CN402
CN403
AT1
AT2
AT4
CN500
CN701
CN702
CN703
CN405
(CN602)
CN102
CN601
(CN603)
CN404
CN101
CNP1
AP1
Main P.C.B E-9146Da
CN151
SW P.C.B E-9145Ab
A
B
C
D
E
F
G
1 2 4 5 6 7 8 9 11 13 14 15 16 17 18 19 20 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 71 72 73 74 75 76 77 78 79 80 83 84 85
CQ-VAD7300U
2
1
A
B

15. REPLACEMENT PARTS LIST [Hide-away Unit (AMP Block)]

Notes :

1. **Be sure to make your orders of replacement parts according to this list.**

2. **Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.**
3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

    - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[E-6888Ca/b] AMP/Joint Block			
ICs AND TRANSISTORs			
IC205	YEAMPC4570T1	IC	
IC206	YEAMM62429FP	IC	
IC207	C0ABCB000030	IC	
IC208	YEAMPC4570T1	IC	
IC209	YEAMPC4072E1	IC	
IC301	C1BB00000245	IC	
IC302	YEAMPC4570T1	IC	
IC305	C0ABCB000032	IC	
IC306	C1EA00000029	IC	
IC601	C2CBKG000007	IC	
IC602	YEAMC14584BE	IC	
IC603	C1EB00000039	IC	
IC701	AN8065SE1	IC	
IC702	YEAMPC2905E1	IC	
IC703	C0DBAMZ00002	IC	
IC704	YEAMC78L05E2	IC	
PA401	C5BA00000093	IC	
Q251	B1GBHBEA0004	Transistor	
Q252	B1GBHBEA0004	Transistor	
Q253	YEANC4081STX	Transistor	
Q254	YEANC4081STX	Transistor	
Q255	YEANC4081STX	Transistor	
Q256	B1GBCFJJ0002	Transistor	
Q257	YEANA114TK	Transistor	
Q351	B1GBHBEA0004	Transistor	
Q352	B1GBHBEA0004	Transistor	

Ref. No.	Part No.	Part Name & Description	Remarks
Q353	YEANC4081STX	Transistor	
Q354	YEANC4081STX	Transistor	
Q402	YEANFP1F3PT1	Transistor	
Q403	B1GBCFNN0004	Transistor	
Q601	B1GBCFNN0004	Transistor	
Q701	YEANHQ1F3PT1	Transistor	
Q702	B1GBCFJJ0002	Transistor	
Q703	YEANHQ1F3PT1	Transistor	
Q704	B1GBCFJJ0002	Transistor	
Q705	YEANA1647ZT	Transistor	
Q706	YEANFB1F3PT1	Transistor	
Q707	B1GDCFLL0010	Transistor	
Q708	YEANA114TK	Transistor	
Q709	YEANHQ1F3PT1	Transistor	
Q710	B1GBCFNN0004	Transistor	
Q711	YEAND1899ZE1	Transistor	
Q712	2SD1273	Transistor	
Q713	B1BBAC000007	Transistor	
Q714	B1GDCFNN0002	Transistor	
Q716	B1BBAC000007	Transistor	
Q717	YEANHQ1F3PT1	Transistor	
Q718	B1GBCFJJ0002	Transistor	
Q719	B1GDCFLL0010	Transistor	
Q720	YEANA114TK	Transistor	
DIODEs			
D251	B0ADCJ000020	Diode	
D252	B0ADCJ000020	Diode	
D253	B0ADCJ000020	Diode	
D351	B0ADCJ000020	Diode	
D353	B0ADCJ000020	Diode	
D501	B0ADCJ000007	Diode	
D601	MA8051-HTX	Diode	
D701	YEADDAM3MA47	Diode	
D702	YEADEC10DS1	Diode	
D703	YEADSR1544TL	Diode	
D704	B0ADCJ000007	Diode	
D705	B0ADCJ000007	Diode	
D706	YEADRD56M3T1	Diode	
D707	MA736TX	Diode	
D708	YEADRD91M1T2	Diode	
D709	YEADRD91M1T2	Diode	
D710	B0JCQD000001	Diode	
D711	B0ADCJ000007	Diode	
D713	B0ADCJ000007	Diode	
CAPACITORs			
C201	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C202	ECA1CM100I	Electrolytic, 10 μ F 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C203	YECUS1H681JC	Ceramic, 680pF 50WV	
C204	YECUS1H681JC	Ceramic, 680pF 50WV	
C205	ECA1HM010I	Electrolytic, 1 μ F 50WV	
C206	ECA1HM010I	Electrolytic, 1 μ F 50WV	
C207	ECA1HM3R3I	Electrolytic, 3.3 μ F 50WV	
C208	ECA1HM3R3I	Electrolytic, 3.3 μ F 50WV	
C209	F1J1H181A665	Ceramic, 180pF 50WV	
C210	F1J1H181A665	Ceramic, 180pF 50WV	
C211	ECA1CM221I	Electrolytic, 220 μ F 16WV	
C212	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C213	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C214	ECA1CM221I	Electrolytic, 220 μ F 16WV	
C215	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C216	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C217	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C218	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C219	ECA1AM221I	Electrolytic, 220 μ F 10WV	
C220	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C221	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C222	ECA1HM2R2I	Electrolytic, 2.2 μ F 50WV	
C223	ECA1AM101I	Electrolytic, 100 μ F 10WV	
C224	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C226	YECUS1C124KX	Ceramic, 0.12 μ F 16WV	
C227	ECA1AM221I	Electrolytic, 220 μ F 10WV	
C228	YECUS1C124KX	Ceramic, 0.12 μ F 16WV	
C229	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	
C230	ECA1AM221I	Electrolytic, 220 μ F 10WV	
C231	ECA1CM101I	Electrolytic, 100 μ F 16WV	
C232	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C233	ECA1HM4R7I	Electrolytic, 4.7 μ F 50WV	
C234	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C237	F1J1H331A665	Ceramic, 330pF 50WV	
C238	F1J1H331A665	Ceramic, 330pF 50WV	
C239	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C245	YECUS1H681JC	Ceramic, 680pF 50WV	
C251	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C252	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C253	ECA1HM010I	Electrolytic, 1 μ F 50WV	
C254	ECA1HM010I	Electrolytic, 1 μ F 50WV	
C261	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C262	YECUS1C154KX	Ceramic, 0.15 μ F 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C263	ECA1HM2R2I	Electrolytic, 2.2 μ F 50WV	
C264	F1J1H272A675	Ceramic, 2700pF 50WV	
C265	ECEA1CBD100	Electrolytic, 10 μ F 16WV	
C266	F1J1H102A672	Ceramic, 1000pF 50WV	
C267	YECUS1C334KX	Ceramic, 0.33 μ F 16WV	
C268	YECUS1C474KX	Ceramic, 0.47 μ F 16WV	
C269	ECA1HM3R3I	Electrolytic, 3.3 μ F 50WV	
C270	ECA1HM3R3I	Electrolytic, 3.3 μ F 50WV	
C271	ECA1HM010I	Electrolytic, 1 μ F 50WV	
C290	ECA1CM220I	Electrolytic, 22 μ F 16WV	
C291	YECUV1C225KX	Ceramic, 2.2 μ F 16WV	
C292	F1J1H122A675	Ceramic, 1200pF 50WV	
C295	F1J1H122A675	Ceramic, 1200pF 50WV	
C296	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C298	ECA1CHG682	Electrolytic, 6800pF 16WV	
C301	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C302	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C303	YECUS1H681JC	Ceramic, 680pF 50WV	
C304	YECUS1H681JC	Ceramic, 680pF 50WV	
C305	ECA1HM010I	Electrolytic, 1 μ F 50WV	
C306	ECA1HM010I	Electrolytic, 1 μ F 50WV	
C307	ECA1HM3R3I	Electrolytic, 3.3 μ F 50WV	
C308	ECA1HM3R3I	Electrolytic, 3.3 μ F 50WV	
C309	F1J1H181A665	Ceramic, 180pF 50WV	
C310	F1J1H181A665	Ceramic, 180pF 50WV	
C312	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C317	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C327	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	
C330	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C331	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C337	F1J1H331A665	Ceramic, 330pF 50WV	
C338	F1J1H331A665	Ceramic, 330pF 50WV	
C351	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C352	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C353	ECA1HM010I	Electrolytic, 1 μ F 50WV	
C354	ECA1HM010I	Electrolytic, 1 μ F 50WV	
C361	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C362	YECUS1C154KX	Ceramic, 0.15 μ F 16WV	
C363	ECA1HM2R2I	Electrolytic, 2.2 μ F 50WV	
C364	F1J1H272A675	Ceramic, 2700pF 50WV	
C365	ECEA1CBD100	Electrolytic, 10 μ F 16WV	
C366	F1J1H102A672	Ceramic, 1000pF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C367	YECUS1C334KX	Ceramic, 0.33 μ F 16WV	
C368	YECUS1C474KX	Ceramic, 0.47 μ F 16WV	
C369	ECA1HM3R3I	Electrolytic, 3.3 μ F 50WV	
C370	ECA1HM3R3I	Electrolytic, 3.3 μ F 50WV	
C371	ECA1HM010I	Electrolytic, 1 μ F 50WV	
C390	ECA1HM010I	Electrolytic, 1 μ F 50WV	
C391	ECA1AM101I	Electrolytic, 100 μ F 10WV	
C392	F1J1H122A675	Ceramic, 1200pF 50WV	
C395	F1J1H122A675	Ceramic, 1200pF 50WV	
C396	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C398	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C401	F1J1H103A513	Ceramic, 0.01 μ F 50WV	
C402	F1J1H103A513	Ceramic, 0.01 μ F 50WV	
C403	YECUS1E333KX	Ceramic, 0.033 μ F 25WV	
C404	YECUS1E333KX	Ceramic, 0.033 μ F 25WV	
C405	F1J1H103A513	Ceramic, 0.01 μ F 50WV	
C406	ECA1CM470I	Electrolytic, 47 μ F 16WV	
C408	F1J1H102A666	Ceramic, 1000pF 50WV	
C409	F1J1H103A513	Ceramic, 0.01 μ F 50WV	
C411	F1J1H101A672	Ceramic, 100pF 50WV	
C412	ECA1AM221I	Electrolytic, 220 μ F 10WV	
C413	ECA1AM221I	Electrolytic, 220 μ F 10WV	
C414	F1J1H101A672	Ceramic, 100pF 50WV	
C415	F1J1H101A672	Ceramic, 100pF 50WV	
C416	F1J1H101A672	Ceramic, 100pF 50WV	
C417	F1J1H101A672	Ceramic, 100pF 50WV	
C601	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C602	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C603	ECA0JM331I	Electrolytic, 330 μ F 6.3WV	
C604	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C605	ECA1CM470I	Electrolytic, 47 μ F 16WV	
C609	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C610	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C611	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C612	ECA1CM470I	Electrolytic, 47 μ F 16WV	
C613	YECUS1H220JC	Ceramic, 22pF 50WV	
C614	YECUS1H220JC	Ceramic, 22pF 50WV	
C615	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C616	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C701	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C702	ECA1CDT222B	Electrolytic, 2200 μ F 16WV	
C703	ECA1CM101I	Electrolytic, 100 μ F 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C704	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C705	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C706	ECA0JM101I	Electrolytic, 100 μF 6.3WV	
C707	ECA1CM220I	Electrolytic, 22 μF 16WV	
C708	ECA1CM471B	Electrolytic, 470 μF 16WV	
C709	ECA1AM101I	Electrolytic, 100 μF 10WV	
C710	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C711	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C712	ECA1CM101I	Electrolytic, 100 μF 16WV	
C713	F4D554730004	Electrolytic, 0.047 μF 5.5WV	
C714	ECA1CM471B	Electrolytic, 470 μF 16WV	
C715	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C716	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C717	ECA1AM101I	Electrolytic, 100 μF 10WV	
C718	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C719	F1J1H102A666	Ceramic, 1000pF 50WV	
C720	ECA1CM220I	Electrolytic, 22 μF 16WV	
C721	ECA1CM101I	Electrolytic, 100 μF 16WV	
C722	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C723	ECA1CM221I	Electrolytic, 220 μF 16WV	
C724	ECA1CM100I	Electrolytic, 10 μF 16WV	
C725	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C726	ECA0JM101I	Electrolytic, 100 μF 6.3WV	
C727	YECUS1C224KX	Ceramic, 0.22 μF 16WV	
C728	YECUS1C474KX	Ceramic, 0.47 μF 16WV	
C730	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C731	EEUFC1C561B	Electrolytic, 560 μF 16WV	
C732	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C734	F1J1H151A672	Ceramic, 150pF 50WV	
C735	EEUFC1E221	Electrolytic, 220pF 25WV	
C736	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C737	F1J1H122A675	Ceramic, 1200pF 50WV	
C738	ECA0JM101I	Electrolytic, 100 μF 6.3WV	
C739	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C740	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C741	F1J1H101A672	Ceramic, 100pF 50WV	
C742	F1J1H101A672	Ceramic, 100pF 50WV	
C743	F1J1H101A672	Ceramic, 100pF 50WV	
C744	F1J1H101A672	Ceramic, 100pF 50WV	
C745	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C746	F1J1H101A672	Ceramic, 100pF 50WV	
C747	F1J1H101A672	Ceramic, 100pF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C748	F1J1H101A672	Ceramic, 100pF 50WV	
C749	F1J1H101A672	Ceramic, 100pF 50WV	
C750	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C751	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C752	ECA1CM221I	Electrolytic, 220 μ F 16WV	
C753	ECA1CM221I	Electrolytic, 220 μ F 16WV	
C754	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C756	ECA1AM221I	Electrolytic, 220 μ F 10WV	
C757	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
RESISTORs			
FB205	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
FB206	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
FB207	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
FB208	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
FB209	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
FB210	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
FB211	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
FB305	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
FB306	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
FB307	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
FB308	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
FB309	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
FB501	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
FB502	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
FB503	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
FB504	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
FB505	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
FB506	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
FB507	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R201	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R202	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R203	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R204	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R205	ERJ6GEYJ221	Chip, 220 Ω 1/10W	
R206	ERJ6GEYJ221	Chip, 220 Ω 1/10W	
R207	ERJ6GEYJ332	Chip, 3.3k Ω 1/10W	
R208	ERJ6GEYJ222	Chip, 2.2k Ω 1/10W	
R209	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R210	ERJ6GEYJ332	Chip, 3.3k Ω 1/10W	
R211	ERJ6GEYJ222	Chip, 2.2k Ω 1/10W	
R212	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R213	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R214	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R215	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R216	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R217	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R218	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R219	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R220	ERJ6GEYJ683	Chip, 68k Ω 1/10W	
R221	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R222	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R223	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R224	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R225	ERJ6GEYJ333	Chip, 33k Ω 1/10W	
R226	ERJ6GEYJ752	Chip, 7.5k Ω 1/10W	
R228	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R232	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R233	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R234	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R235	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R236	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R237	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R238	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R239	ERJ6GEYJ243	Chip, 24k Ω 1/10W	
R240	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R241	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R242	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R243	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R244	ERJ6GEYJ332	Chip, 3.3k Ω 1/10W	
R245	ERJ6GEYJ333	Chip, 33k Ω 1/10W	
R246	ERJ6GEYJ224	Chip, 220k Ω 1/10W	
R247	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R248	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R249	ERJ6GEYJ221	Chip, 220 Ω 1/10W	
R250	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R251	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R252	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R253	ERJ6GEYJ562	Chip, 5.6k Ω 1/10W	
R254	ERJ6GEYJ562	Chip, 5.6k Ω 1/10W	
R255	ERJ6GEYJ222	Chip, 2.2k Ω 1/10W	
R256	ERJ6GEYJ222	Chip, 2.2k Ω 1/10W	
R257	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R258	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R259	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R260	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R261	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R262	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R263	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R264	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R265	ERJ6GEYJ222	Chip, 2.2k Ω 1/10W	
R290	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R301	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R302	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R303	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R304	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R305	ERJ6GEYJ221	Chip, 220 Ω 1/10W	
R306	ERJ6GEYJ221	Chip, 220 Ω 1/10W	
R307	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R308	ERJ6GEYJ222	Chip, 2.2k Ω 1/10W	
R309	ERJ6GEYJ332	Chip, 3.3k Ω 1/10W	
R310	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R311	ERJ6GEYJ222	Chip, 2.2k Ω 1/10W	
R312	ERJ6GEYJ332	Chip, 3.3k Ω 1/10W	
R313	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R314	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R315	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R316	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R317	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R318	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R319	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R320	ERJ6GEYJ683	Chip, 68k Ω 1/10W	
R321	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R322	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R323	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R325	ERJ6GEYJ333	Chip, 33k Ω 1/10W	
R326	ERJ6GEYJ752	Chip, 7.5k Ω 1/10W	
R332	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R333	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R334	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R337	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R338	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R339	ERJ6GEYJ243	Chip, 24k Ω 1/10W	
R351	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R352	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R353	ERJ6GEYJ562	Chip, 5.6k Ω 1/10W	
R354	ERJ6GEYJ562	Chip, 5.6k Ω 1/10W	
R355	ERJ6GEYJ222	Chip, 2.2k Ω 1/10W	
R356	ERJ6GEYJ222	Chip, 2.2k Ω 1/10W	
R357	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R358	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R359	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R360	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R361	ERJ6GEYJ103	Chip, 10k Ω 1/10W	

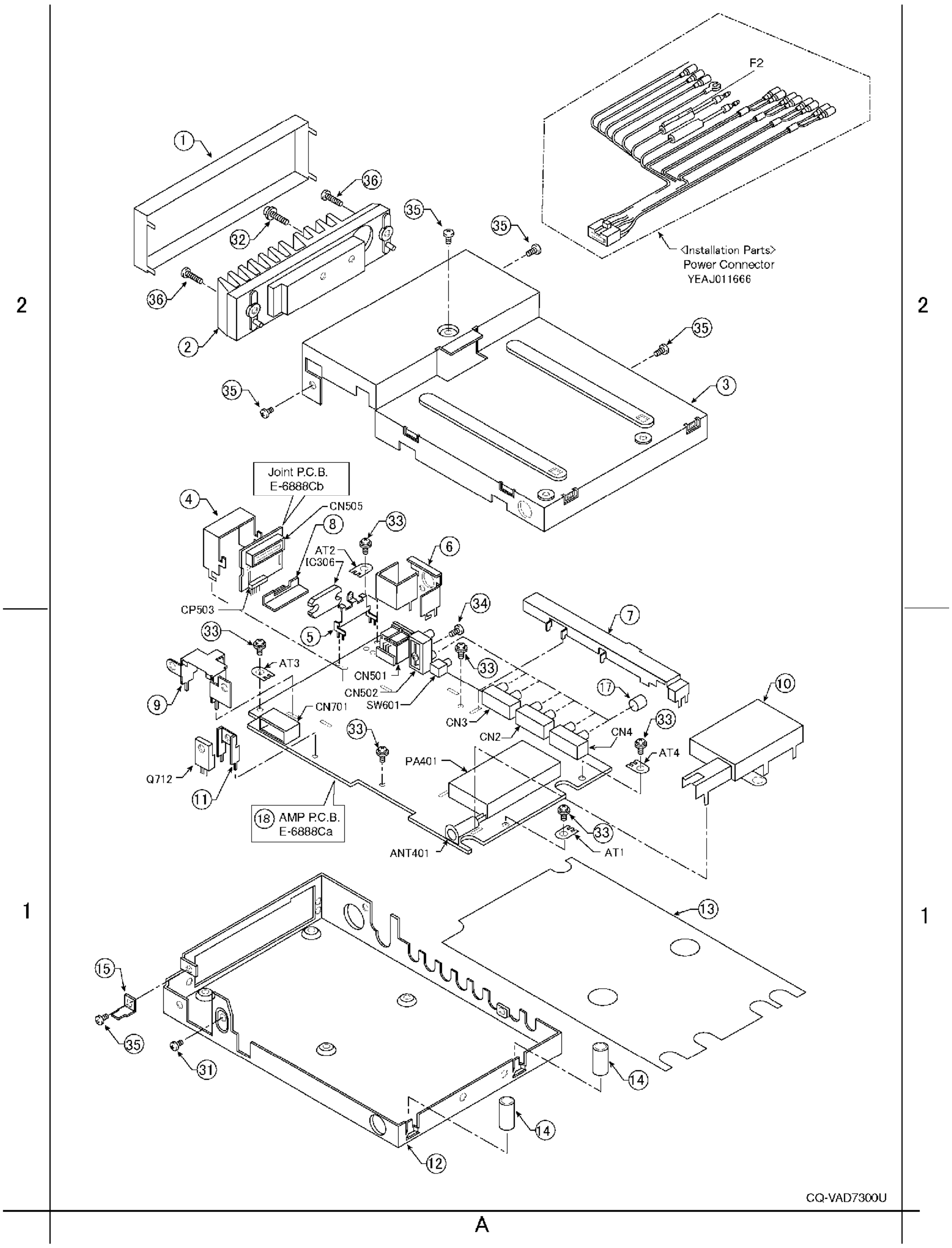
Ref. No.	Part No.	Part Name & Description	Remarks
R362	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R401	ERJ6GEYJ5R6	Chip, 5.6 Ω 1/10W	
R402	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R404	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R405	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R406	ERJ6GEYJ822	Chip, 8.2k Ω 1/10W	
R408	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R409	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R410	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R501	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R502	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R503	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R504	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R505	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R506	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R507	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R508	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R509	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R510	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R601	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R603	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R604	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R605	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R607	ERJ6GEYJ100	Chip, 10 Ω 1/10W	
R608	ERJ6GEYJ182	Chip, 1.8k Ω 1/10W	
R609	ERJ6GEYJ182	Chip, 1.8k Ω 1/10W	
R610	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R611	ERJ6GEYJ561	Chip, 560 Ω 1/10W	
R612	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R613	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R614	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R615	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R616	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R620	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R621	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R622	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R623	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R624	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R625	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R626	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R627	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R701	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R702	ERJ12YJ102H	Chip, 1k Ω 1/2W	
R703	ERJ12YJ102H	Chip, 1k Ω 1/2W	
R704	ERJ12YJ102H	Chip, 1k Ω 1/2W	

Ref. No.	Part No.	Part Name & Description	Remarks
R705	ERJ12YJ150H	Chip, 15 Ω 1/2W	
R706	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R707	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R708	ERJ6GEYJ1R0	Chip, 1 Ω 1/10W	
R709	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R710	ERJ6GEYJ1R0	Chip, 1 Ω 1/10W	
R712	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R713	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R714	ERJ6GEYJ471	Chip, 470 Ω 1/10W	
R715	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R716	ERJ14YJ152H	Chip, 1.5k Ω 1/4W	
R717	ERJ14YJ152H	Chip, 1.5k Ω 1/4W	
R718	ERJ14YJ152H	Chip, 1.5k Ω 1/4W	
R721	ERJ14YJ100H	Chip, 10 Ω 1/4W	
R722	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R723	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R724	ERJ6GEYJ154	Chip, 150k Ω 1/10W	
R725	ERJ6GEYJ303V	Chip, 30k Ω 1/10W	
R726	ERJ6GEYJ274	Chip, 270k Ω 1/10W	
R727	ERJ6GEYJ393	Chip, 39k Ω 1/10W	
R728	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R729	ERJ12YJ1R0H	Chip, 1 Ω 1/2W	
R730	ERJ8GEYJ181V	Chip, 180 Ω 1/8W	
R731	ERJ6ENF5601	Chip, 5.6k Ω 1/10W	
R732	ERJ6ENF4700	Chip, 470 Ω 1/10W	
R733	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R734	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R737	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R738	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R739	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R740	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R741	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
CONNECTORs			
CN2	K2HA204B0069	Jack, 3P	
CN3	K2HA204B0069	Jack, 3P	
CN4	K2HA204B0071	Jack, 3P	
CN501	YEAE011634	Connector, 8P DIN	
CN502	YEAE02165	Connector, 2P RCA	
CN505	K1KA15A00087	Connector, 15P	
CN701	YEAE012748	Connector, 16P	
CP503	YEAETKXP08F	Connector, 8P	
SWITCHE			

Ref. No.	Part No.	Part Name & Description	Remarks
SW601	**YEAS09250R**	**Switch**	
CRYSTAL			
XL601	**H0D400400006**	**Crystal OSC**	
NEON TUBE			
Z401	**J0LE00000002**	**Neon Tube**	
COILs			
FB600	**YELTBLM21P3S**	**Coil**	
FB601	**YELTBLM21P3S**	**Coil**	
FB602	**YELTBLM21P3S**	**Coil**	
FB603	**YELTBLM21P3S**	**Coil**	
L401	**YELT03N330JT**	**Coil**	
L402	**YELT03N101JT**	**Coil**	
L404	**G1CYYYZ00003**	**Coil**	
L601	**YELT03N100KT**	**Coil**	
L602	**YELTBLM21P3S**	**Coil**	
L603	**YELT03N101JT**	**Coil**	
L701	**G0A251J00001**	**Coil**	
L702	**YELT03N100KT**	**Coil**	
L703	**ELC08D220**	**Coil**	
L704	**G1A681D00002**	**Coil**	
RESISTOR NETWORKs			
RA601	**EXBV8V102JV**	**Resistor Network**	
RA602	**EXBV8V102JV**	**Resistor Network**	
RA603	**EXBV8V102JV**	**Resistor Network**	
RA604	**EXBV8V102JV**	**Resistor Network**	
RA605	**EXBV8V102JV**	**Resistor Network**	
RA606	**EXBV8V102JV**	**Resistor Network**	
RA607	**EXBV8V102JV**	**Resistor Network**	
RA608	**EXBV8V102JV**	**Resistor Network**	
RA609	**EXBV8V102JV**	**Resistor Network**	
RA610	**EXBV8V102JV**	**Resistor Network**	
THERMISTORs			
PH701	**YERT7AR4R7MT**	**Thermistor**	
PH702	**YERT7AR4R7MT**	**Thermistor**	
PH703	**YERT7AR4R7MT**	**Thermistor**	
Mechanical Parts			
MISCELLANEOUS			
F2	**XBB1F150NC3**	**Fuse, 15A**	⚠
ANT401	**YEAA10066**	**Antenna Receptacle**	
AT1	**K4ZZ01000048**	**Terminal**	
AT2	**K4ZZ01000048**	**Terminal**	

Ref. No.	Part No.	Part Name & Description	Remarks
AT3	K4ZZ01000048	Terminal	
AT4	K4ZZ01000048	Terminal	
1	YEFX9992489	Cover	
2	YEFF011048	Heat Sink	
3	YEFA031837	Upper Cover	
4	YEFX0215118	Bracket, PCB	
5	YEFX0214885	Bracket, IC306	
6	YEFX0215119	Bracket, CN501	
7	YEFX0215124	Bracket, RCA	
8	YEFX9992482	Cover	
9	YEFX0215120	Bracket, CN701	
10	YEFV03625	Magnetic Shield	
11	YEFX0212298A	Bracket, Q712	
12	YEFA012030	Chassis	
13	YEFV012312	Insulator	
14	YEFL02655	Spacer	
15	YEAT03349	Terminal	
17	YEFR04187	RCA Cap	
18	YEP0PT6888B0	AMP PCB Ass'y	RTL
31	YEJT03009	Tapping Screw, 3mm * 8mm	
32	YEJT03038	Tapping Screw, 3mm * 16mm	
33	YEJT03015	Tapping Screw, 3mm * 6mm	
34	XTB3+6GFX	Tapping Screw, 3mm * 6mm	
35	XTB3+6FFX	Tapping Screw, 3mm * 6mm	
36	XTB3+10FFX	Tapping Screw, 3mm * 10mm	

16. EXPLODED VIEW [Hide-away Unit (AMP Block)]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F2
<Installation Parts>
Power Connector
YEAJ011666
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Joint P.C.B.
E-6888Cb
④
CN505
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AT2
IC306
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CN701
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AT4
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Q712
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⑱ AMP P.C.B.
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CQ-VAD7300U
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17. REPLACEMENT PARTS LIST [Hide-away Unit (J-Box Block)]

Notes :

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.**

3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**
    - **Order intake period is basically six months after the first shipment.**

Ref. No.	Part No.	Part Name & Description	Remarks
[E-9099A] J-Box Block			
ICs AND TRANSISTORs			
IC1	YEAMPC2905E1	IC	
IC51	AN5186FB	IC	
IC71	C1AB00001604	IC	
IC121	YEAMCXA2020M	IC	
IC201	C1AB00000459	IC	
IC210	YEAMPC4570T1	IC	
IC240	YEAMPC4570T1	IC	
IC601	C2BBGF000356	IC	
IC603	C0JBAZ001166	IC	
IC605	C1EB00000039	IC	
IC701	MN1382RTX	IC	
IC702	YEAMC78L05E2	IC	
IC703	C0DBAJG00002	IC	
PA1	J3AAAAB00001	Tuner Pack	
Q1	B1GBCFJJ0002	Transistor	
Q2	B1GBCFJJ0002	Transistor	
Q3	B1GBCFJJ0002	Transistor	
Q4	B1GBCFJJ0002	Transistor	
Q5	YEANHQ1F3PT1	Transistor	
Q6	B1GBCFNN0004	Transistor	
Q51	2SD0601AHR	Transistor	
Q81	2SB709TX	Transistor	
Q82	2SB709TX	Transistor	
Q201	XN0F26100L	Transistor	
Q231	XN0F26100L	Transistor	
Q251	XN0F26100L	Transistor	
Q701	B1BBAC000007	Transistor	
Q702	B1GDCFLL0010	Transistor	
Q703	B1GDCFLL0010	Transistor	
Q705	YEANA114TK	Transistor	
Q706	YEANA114TK	Transistor	

Ref. No.	Part No.	Part Name & Description	Remarks
DIODEs			
D1	**MA551TX**	**Diode**	
D2	**MA551TX**	**Diode**	
D3	**MA551TX**	**Diode**	
D4	**MA551TX**	**Diode**	
D5	**YEADSR1544TL**	**Diode**	
D101	**MA3X028TAL**	**Diode**	
D201	**B0ADCJ000020**	**Diode**	
D231	**B0ADCJ000020**	**Diode**	
D251	**B0ADCJ000020**	**Diode**	
D601	**B0ADCJ000007**	**Diode**	
D602	**MA8051LTX**	**Diode**	
D701	**YEADEC10DS1**	**Diode**	
D702	**YEADRD56M3T1**	**Diode**	
D703	**B0JCQD000001**	**Diode**	
CAPACITORs			
C1	**YECUS1H470JC**	**Ceramic, 47pF 50WV**	
C2	**YECUS1H470JC**	**Ceramic, 47pF 50WV**	
C3	**YECUS1H470JC**	**Ceramic, 47pF 50WV**	
C4	**YECUS1H470JC**	**Ceramic, 47pF 50WV**	
C5	**F1J1H102A672**	**Ceramic, 1000pF 50WV**	
C6	**F1J1H102A672**	**Ceramic, 1000pF 50WV**	
C7	**F1J1H102A672**	**Ceramic, 1000pF 50WV**	
C8	**F1J1H102A672**	**Ceramic, 1000pF 50WV**	
C9	**F1J1H102A672**	**Ceramic, 1000pF 50WV**	
C10	**F1J1H151A672**	**Ceramic, 150pF 50WV**	
C11	**F1J1H151A672**	**Ceramic, 150pF 50WV**	
C12	**F1J1H151A672**	**Ceramic, 150pF 50WV**	
C13	**F1J1H151A672**	**Ceramic, 150pF 50WV**	
C14	**F1J1H102A672**	**Ceramic, 1000pF 50WV**	
C15	**F1J1C1050013**	**Ceramic, 1 μ F 16WV**	
C18	**ECA0JM101I**	**Electrolytic, 100 μ F 6.3WV**	
C19	**F1J1H103A513**	**Ceramic, 0.01 μ F 50WV**	
C23	**ECA1AM221I**	**Electrolytic, 220 μ F 10WV**	
C24	**YECUS1C104KX**	**Ceramic, 0.1 μ F 16WV**	
C25	**YECUS1C104KX**	**Ceramic, 0.1 μ F 16WV**	
C26	**EEUFC1A181H**	**Electrolytic, 180 μ F 10WV**	
C27	**ECA1AM221I**	**Electrolytic, 220 μ F 10WV**	
C34	**F1J1H102A672**	**Ceramic, 1000pF 50WV**	
C35	**F1J1H102A672**	**Ceramic, 1000pF 50WV**	
C50	**ECA1CM100I**	**Electrolytic, 10 μ F 16WV**	
C51	**F1J1C1050013**	**Ceramic, 1 μ F 16WV**	
C52	**ECA1CM470I**	**Electrolytic, 47 μ F 16WV**	
C53	**F1J1H103A513**	**Ceramic, 0.01 μ F 50WV**	
C54	**F1J1H103A513**	**Ceramic, 0.01 μ F 50WV**	

Ref. No.	Part No.	Part Name & Description	Remarks
C55	ECA1CM220I	Electrolytic, 22 μ F 16WV	
C56	YECUV0J106KX	Ceramic, 10 μ F 6.3WV	
C57	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C58	YECUS1E473KX	Ceramic, 0.047 μ F 25WV	
C70	F1J1H102A672	Ceramic, 1000pF 50WV	
C71	F1J1H471A665	Ceramic, 470pF 50WV	
C73	F1J1C1050013	Ceramic, 1 μ F 16WV	
C74	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C82	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C84	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C85	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C86	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C87	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C88	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C89	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C90	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C91	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C92	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C93	F1J1H471A665	Ceramic, 470pF 50WV	
C94	ECA1AM101I	Electrolytic, 100 μ F 10WV	
C95	ECA1CM471	Electrolytic, 470 μ F 16WV	
C97	ECA1AM101I	Electrolytic, 100 μ F 10WV	
C98	ECA1CM471	Electrolytic, 470 μ F 16WV	
C99	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C101	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C102	YECUS1E223KX	Ceramic, 0.022 μ F 25WV	
C103	YECUS1E223KX	Ceramic, 0.022 μ F 25WV	
C104	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C105	F1J1H103A513	Ceramic, 0.01 μ F 50WV	
C106	ECA1CM470I	Electrolytic, 47 μ F 16WV	
C107	F1J1H1810002	Ceramic, 180pF 50WV	
C108	F1J1H102A672	Ceramic, 1000pF 50WV	
C109	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C110	YECUS1E223KX	Ceramic, 0.022 μ F 25WV	
C111	YECUS1E473KX	Ceramic, 0.047 μ F 25WV	
C112	F1J1C1050013	Ceramic, 1 μ F 16WV	
C113	F1J1H103A513	Ceramic, 0.01 μ F 50WV	
C114	YECUS1H100CC	Ceramic, 10pF 50WV	
C115	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C121	F1J1C1050013	Ceramic, 1 μ F 16WV	
C122	ECA1CM100I	Electrolytic, 10 μ F 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C123	ECA1CM470I	Electrolytic, 47 μ F 16WV	
C124	F1J1H103A513	Ceramic, 0.01 μ F 50WV	
C125	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C126	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C127	YECUS1H393KX	Ceramic, 0.039 μ F 50WV	
C128	YECUS1H393KX	Ceramic, 0.039 μ F 50WV	
C129	F1J1C1050013	Ceramic, 1 μ F 16WV	
C130	F1J1C1050013	Ceramic, 1 μ F 16WV	
C131	F1J1C1050013	Ceramic, 1 μ F 16WV	
C132	F1J1C1050013	Ceramic, 1 μ F 16WV	
C134	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C202	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C204	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C205	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C206	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C210	ECA1AM221I	Electrolytic, 220 μ F 10WV	
C211	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C212	F1J1H560A025	Ceramic, 56pF 50WV	
C213	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C222	ECA1CM470I	Electrolytic, 47 μ F 16WV	
C231	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C240	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C241	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C242	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C243	YECUS1H330JM	Ceramic, 33pF 50WV	
C244	YECUS1H330JM	Ceramic, 33pF 50WV	
C245	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C251	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C302	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C304	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C305	ECA1AM221I	Electrolytic, 220 μ F 10WV	
C306	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C310	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C311	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C312	F1J1H560A025	Ceramic, 56pF 50WV	
C313	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C321	ECA1CM470I	Electrolytic, 47 μ F 16WV	
C331	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C340	ECA1AM221I	Electrolytic, 220 μ F 10WV	
C341	ECA1CM100I	Electrolytic, 10 μ F 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C342	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C343	YECUS1H330JM	Ceramic, 33pF 50WV	
C344	YECUS1H330JM	Ceramic, 33pF 50WV	
C345	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C351	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C601	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C602	ECA0JM101I	Electrolytic, 100 μ F 6.3WV	
C603	ECA0JM101I	Electrolytic, 100 μ F 6.3WV	
C604	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C605	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C606	ECA0JM101I	Electrolytic, 100 μ F 6.3WV	
C607	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C608	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C609	YECUS1H100CC	Ceramic, 10pF 50WV	
C610	YECUS1H100CC	Ceramic, 10pF 50WV	
C611	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C612	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C620	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C631	ECA1CM470I	Electrolytic, 47 μ F 16WV	
C632	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C633	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C634	F1J1C1050013	Ceramic, 1 μ F 16WV	
C701	ECA1CM471	Electrolytic, 470 μ F 16WV	
C702	ECA1CM471	Electrolytic, 470 μ F 16WV	
C703	ECA1CM101I	Electrolytic, 100 μ F 16WV	
C704	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C705	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C706	YECUS1C474KX	Ceramic, 0.47 μ F 16WV	
C707	ECA1CM101I	Electrolytic, 100 μ F 16WV	
C708	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C709	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C710	ECA0JM101I	Electrolytic, 100 μ F 6.3WV	
C711	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C712	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C713	EEUFC1C331	Electrolytic, 330 μ F 16WV	
C714	F1L1C4750006	Ceramic, 4.7 μ F 16WV	
C715	F1J1H471A665	Ceramic, 470pF 50WV	
C716	F1J1H222A675	Ceramic, 2200pF 50WV	
C717	EEUFC1C331	Electrolytic, 330 μ F 16WV	
C718	F1L1C4750006	Ceramic, 4.7 μ F 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
RESISTORs			
FB81	D0YDR0000016	Resistor, 0 Ω 1/8W	
FB82	D0YDR0000016	Resistor, 0 Ω 1/8W	
FB83	D0YDR0000016	Resistor, 0 Ω 1/8W	
FB201	D0YDR0000016	Resistor, 0 Ω 1/8W	
FB202	D0YDR0000016	Resistor, 0 Ω 1/8W	
FB205	D0YDR0000016	Resistor, 0 Ω 1/8W	
FB241	D0YDR0000016	Resistor, 0 Ω 1/8W	
FB251	D0YDR0000016	Resistor, 0 Ω 1/8W	
FB252	D0YDR0000016	Resistor, 0 Ω 1/8W	
FB301	D0YDR0000016	Resistor, 0 Ω 1/8W	
FB302	D0YDR0000016	Resistor, 0 Ω 1/8W	
FB305	D0YDR0000016	Resistor, 0 Ω 1/8W	
FB341	D0YDR0000016	Resistor, 0 Ω 1/8W	
FB342	D0YDR0000016	Resistor, 0 Ω 1/8W	
FB351	D0YDR0000016	Resistor, 0 Ω 1/8W	
FB603	D0YDR0000016	Resistor, 0 Ω 1/8W	
FB701	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
FB702	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
FB703	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
FB707	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
FB712	D0YDR0000016	Resistor, 0 Ω 1/8W	
FB713	D0YDR0000016	Resistor, 0 Ω 1/8W	
L53	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
R1	D0GD471JA012	Metal Film, 470 Ω 1/10W	
R2	D0GD471JA012	Metal Film, 470 Ω 1/10W	
R3	D0GD471JA012	Metal Film, 470 Ω 1/10W	
R4	D0GD471JA012	Metal Film, 470 Ω 1/10W	
R5	D0GD391JA012	Metal Film, 390 Ω 1/10W	
R6	D0GD104JA012	Metal Film, 100k Ω 1/10W	
R7	D0GD101JA012	Metal Film, 100 Ω 1/10W	
R8	D0GD101JA012	Metal Film, 100 Ω 1/10W	
R9	D0GD101JA012	Metal Film, 100 Ω 1/10W	
R10	D0GD101JA012	Metal Film, 100 Ω 1/10W	
R11	D0GD470JA012	Metal Film, 47 Ω 1/10W	
R12	D0YDR0000016	Resistor, 0 Ω 1/8W	
R13	D0GD103JA012	Metal Film, 10k Ω 1/10W	
R51	D0GD102JA012	Metal Film, 1k Ω 1/10W	
R52	D0GD471JA012	Metal Film, 470 Ω 1/10W	
R53	D0GD432JA012	Metal Film, 4.3k Ω 1/10W	
R54	D0GD392JA012	Metal Film, 3.9k Ω 1/10W	
R55	D0GD272JA012	Metal Film, 2.7k Ω 1/10W	
R56	D0GD183JA012	Metal Film, 18k Ω 1/10W	
R57	D0GD102JA012	Metal Film, 1k Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R58	D0GD102JA012	Metal Film, 1k Ω 1/10W	
R59	D0GD151JA012	Metal Film, 150 Ω 1/10W	
R60	ERJ6ENF5600	Chip, 560 Ω 1/10W	
R61	ERJ6ENF5600	Chip, 560 Ω 1/10W	
R62	D0GD101JA012	Metal Film, 100 Ω 1/10W	
R63	D0GD222JA012	Metal Film, 2.2k Ω 1/10W	
R64	D0GD103JA012	Metal Film, 10k Ω 1/10W	
R65	D0GD222JA012	Metal Film, 2.2k Ω 1/10W	
R66	D0GD332JA012	Metal Film, 3.3k Ω 1/10W	
R70	D0GD101JA012	Metal Film, 100 Ω 1/10W	
R71	D0GD331JA012	Metal Film, 330 Ω 1/10W	
R72	D0GD124JA012	Metal Film, 120k Ω 1/10W	
R74	D0GD101JA012	Metal Film, 100 Ω 1/10W	
R75	D0GD474JA012	Metal Film, 470k Ω 1/10W	
R80	D0GD331JA012	Metal Film, 330 Ω 1/10W	
R81	D0GD750JA012	Metal Film, 75 Ω 1/10W	
R82	D0GD750JA012	Metal Film, 75 Ω 1/10W	
R83	D0GD221JA012	Metal Film, 220 Ω 1/10W	
R84	D0GD221JA012	Metal Film, 220 Ω 1/10W	
R85	D0GD221JA012	Metal Film, 220 Ω 1/10W	
R86	D0GD101JA012	Metal Film, 100 Ω 1/10W	
R87	D0GD331JA012	Metal Film, 330 Ω 1/10W	
R88	D0GD750JA012	Metal Film, 75 Ω 1/10W	
R89	D0GD101JA012	Metal Film, 100 Ω 1/10W	
R90	D0GD331JA012	Metal Film, 330 Ω 1/10W	
R91	D0GD680JA012	Metal Film, 68 Ω 1/10W	
R92	D0GD750JA012	Metal Film, 75 Ω 1/10W	
R93	D0GD100JA012	Metal Film, 10 Ω 1/10W	
R94	D0GD331JA012	Metal Film, 330 Ω 1/10W	
R95	D0GD221JA012	Metal Film, 220 Ω 1/10W	
R101	D0GD102JA012	Metal Film, 1k Ω 1/10W	
R102	D0GD302JA012	Metal Film, 3k Ω 1/10W	
R103	D0GD333JA012	Metal Film, 33k Ω 1/10W	
R104	D0GD103JA012	Metal Film, 10k Ω 1/10W	
R105	D0GD393JA012	Metal Film, 39k Ω 1/10W	
R106	D0GD392JA012	Metal Film, 3.9k Ω 1/10W	
R107	D0GD222JA012	Metal Film, 2.2k Ω 1/10W	
R108	D0GD682JA012	Metal Film, 6.8k Ω 1/10W	
R111	D0GD103JA012	Metal Film, 10k Ω 1/10W	
R120	D0GD222JA012	Metal Film, 2.2k Ω 1/10W	
R121	D0GD153JA012	Metal Film, 15k Ω 1/10W	
R122	D0GD392JA012	Metal Film, 3.9k Ω 1/10W	
R123	D0GD562JA012	Metal Film, 5.6k Ω 1/10W	
R125	D0GD103JA012	Metal Film, 10k Ω 1/10W	
R127	D0GD103JA012	Metal Film, 10k Ω 1/10W	

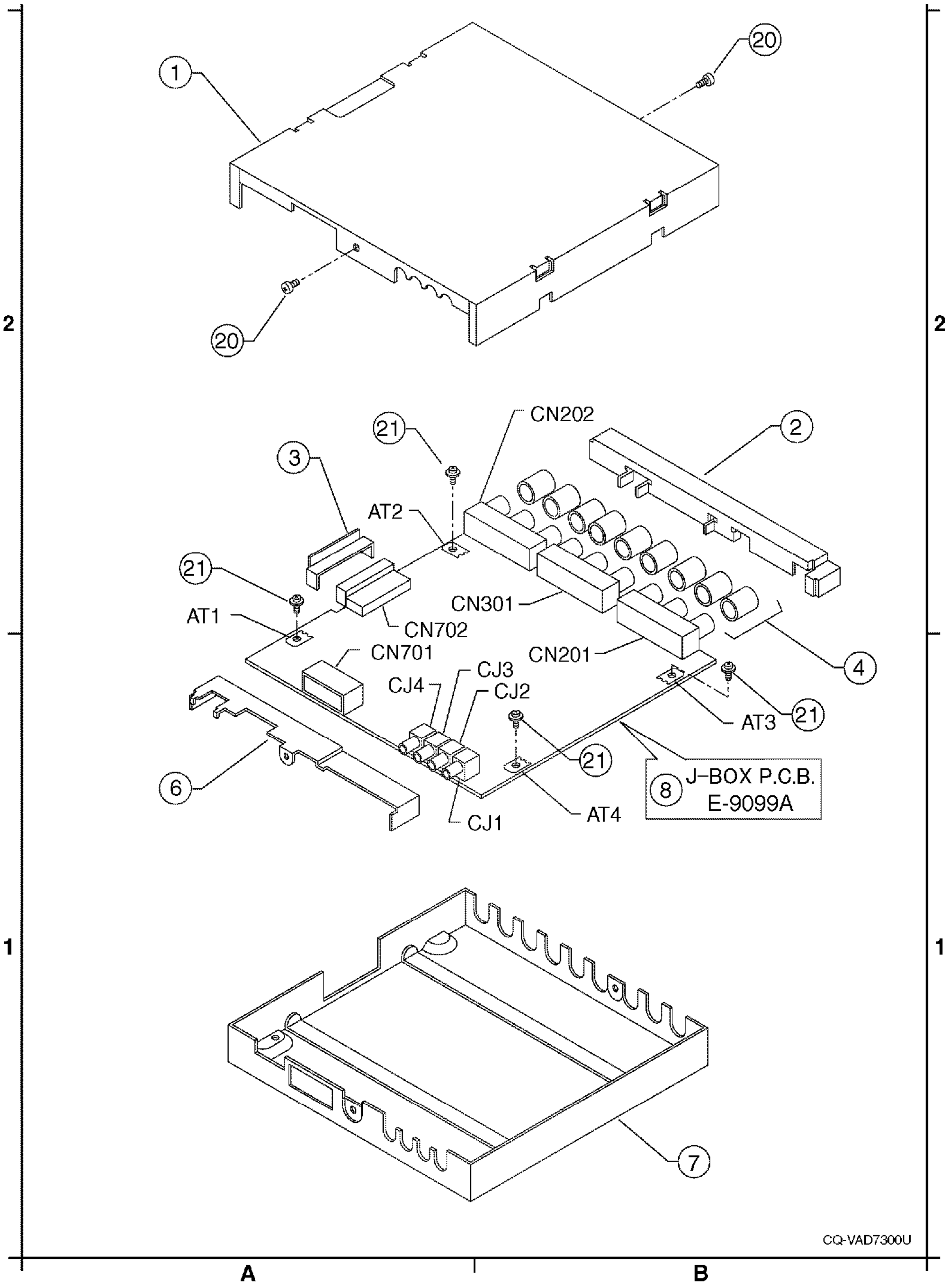
Ref. No.	Part No.	Part Name & Description	Remarks
R128	D0GD102JA012	Metal Film, 1k Ω 1/10W	
R129	D0GD102JA012	Metal Film, 1k Ω 1/10W	
R130	D0GD103JA012	Metal Film, 10k Ω 1/10W	
R201	D0GD473JA012	Metal Film, 47k Ω 1/10W	
R202	D0GD473JA012	Metal Film, 47k Ω 1/10W	
R203	D0GD683JA012	Metal Film, 68k Ω 1/10W	
R204	D0GD683JA012	Metal Film, 68k Ω 1/10W	
R205	D0GD221JA012	Metal Film, 220 Ω 1/10W	
R206	D0GD562JA012	Metal Film, 5.6k Ω 1/10W	
R207	D0GD123JA012	Metal Film, 12k Ω 1/10W	
R212	D0GD104JA012	Metal Film, 100k Ω 1/10W	
R213	D0GD333JA012	Metal Film, 33k Ω 1/10W	
R214	D0GD333JA012	Metal Film, 33k Ω 1/10W	
R215	D0GD561JA012	Metal Film, 560 Ω 1/10W	
R216	D0GD473JA012	Metal Film, 47k Ω 1/10W	
R221	D0GD912JA012	Metal Film, 9.1k Ω 1/10W	
R222	D0GD103JA012	Metal Film, 10k Ω 1/10W	
R231	D0GD561JA012	Metal Film, 560 Ω 1/10W	
R232	D0GD473JA012	Metal Film, 47k Ω 1/10W	
R241	D0GD473JA012	Metal Film, 47k Ω 1/10W	
R242	D0GD473JA012	Metal Film, 47k Ω 1/10W	
R243	D0GD473JA012	Metal Film, 47k Ω 1/10W	
R244	D0GD473JA012	Metal Film, 47k Ω 1/10W	
R251	D0GD561JA012	Metal Film, 560 Ω 1/10W	
R252	D0GD473JA012	Metal Film, 47k Ω 1/10W	
R301	D0GD473JA012	Metal Film, 47k Ω 1/10W	
R302	D0GD473JA012	Metal Film, 47k Ω 1/10W	
R303	D0GD683JA012	Metal Film, 68k Ω 1/10W	
R304	D0GD683JA012	Metal Film, 68k Ω 1/10W	
R305	D0GD221JA012	Metal Film, 220 Ω 1/10W	
R306	D0GD562JA012	Metal Film, 5.6k Ω 1/10W	
R307	D0GD123JA012	Metal Film, 12k Ω 1/10W	
R312	D0GD104JA012	Metal Film, 100k Ω 1/10W	
R313	D0GD333JA012	Metal Film, 33k Ω 1/10W	
R314	D0GD333JA012	Metal Film, 33k Ω 1/10W	
R315	D0GD561JA012	Metal Film, 560 Ω 1/10W	
R316	D0GD473JA012	Metal Film, 47k Ω 1/10W	
R321	D0GD912JA012	Metal Film, 9.1k Ω 1/10W	
R322	D0GD103JA012	Metal Film, 10k Ω 1/10W	
R331	D0GD561JA012	Metal Film, 560 Ω 1/10W	
R332	D0GD473JA012	Metal Film, 47k Ω 1/10W	
R341	D0GD473JA012	Metal Film, 47k Ω 1/10W	
R342	D0GD473JA012	Metal Film, 47k Ω 1/10W	
R343	D0GD473JA012	Metal Film, 47k Ω 1/10W	
R344	D0GD473JA012	Metal Film, 47k Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R351	D0GD561JA012	Metal Film, 560 Ω 1/10W	
R352	D0GD473JA012	Metal Film, 47k Ω 1/10W	
R601	D0GD102JA012	Metal Film, 1k Ω 1/10W	
R603	D0GD472JA012	Metal Film, 4.7k Ω 1/10W	
R604	D0GD102JA012	Metal Film, 1k Ω 1/10W	
R605	D0YDR0000016	Resistor, 0 Ω 1/8W	
R606	D0GD562JA012	Metal Film, 5.6k Ω 1/10W	
R607	D0YDR0000016	Resistor, 0 Ω 1/8W	
R620	D0GD101JA012	Metal Film, 100 Ω 1/10W	
R631	D0GD182JA012	Metal Film, 1.8k Ω 1/10W	
R632	D0GD182JA012	Metal Film, 1.8k Ω 1/10W	
R633	D0GD100JA012	Metal Film, 10 Ω 1/10W	
R701	ERJ14YJ100H	Chip, 10 Ω 1/4W	
R702	D0GD103JA012	Metal Film, 10k Ω 1/10W	
R703	D0GD102JA012	Metal Film, 1k Ω 1/10W	
R704	ERJ14YJ470H	Chip, 47 ohms 1/4W	
R705	D0GD102JA012	Metal Film, 1k Ω 1/10W	
R706	D0GD103JA012	Metal Film, 10k Ω 1/10W	
R707	D0GD102JA012	Metal Film, 1k Ω 1/10W	
R708	D0GD103JA012	Metal Film, 10k Ω 1/10W	
R709	ERJ6ENF7501	Chip, 7.5k Ω 1/10W	
R710	ERJ6ENF1201	Chip, 1.2k Ω 1/10W	
CONNECTORs			
CJ1	YEAELGY6502	Jack, ANT	
CJ2	YEAELGY6502	Jack, ANT	
CJ3	YEAELGY6502	Jack, ANT	
CJ4	YEAELGY6502	Jack, ANT	
CN201	K2HA306B0033	Jack, RCA * 3	
CN202	K2HA306B0033	Jack, RCA * 3	
CN301	K2HA306B0033	Jack, RCA * 3	
CN701	K1FB120B0017	Connector, 20P	
CN702	K1KB15B00015	Connector, 15P	
CRYSTALs			
XL101	H0D305500002	Crystal OSC	
XL601	H0D600400007	Crystal OSC	
CERAMIC FILTERs			
CF51	J0B4504A0002	Ceramic Filter	
CF101	J0B1075A0028	Ceramic Filter	
FB231	J0JCC0000030	Noise Filter	
FB232	J0JCC0000030	Noise Filter	
FB331	J0JCC0000030	Noise Filter	
FB601	J0JCC0000030	Noise Filter	
FB602	J0JCC0000030	Noise Filter	
SF51	J0C4575B0001	SAW Filter	
SF101	J0C4125B0001	SAW Filter	

Ref. No.	Part No.	Part Name & Description	Remarks
COILs			
FB1	YELTBLM2B601	Coil	
FB2	YELTBLM2B601	Coil	
FB3	YELTBLM2B601	Coil	
FB4	YELTBLM2B601	Coil	
FB5	YELTBLM32A06	Coil	
L1	ELJFCR27MF	RF Coil	
L2	ELJFCR27MF	RF Coil	
L3	ELJFCR27MF	RF Coil	
L4	ELJFCR27MF	RF Coil	
L5	ELJFCR27MF	RF Coil	
L6	ELJFCR27MF	RF Coil	
L7	ELJFCR27MF	RF Coil	
L8	ELJFCR27MF	RF Coil	
L9	ELJFCR68MF	RF Coil	
L15	YELT03N100KT	Coil	
L20	YELT03N100KT	Coil	
L51	G3BRB0000007	Coil	
L52	YELT03N100KT	Coil	
L81	YELT03N101JT	Coil	
L82	YELT03N101JT	Coil	
L101	G3A1R2C00005	Coil	
L201	YELT03N220JT	Coil	
L601	YELT03N470JT	Coil	
L602	YELT03N101JT	Coil	
L631	YELT03N101JT	Coil	
L701	G1C101Z00005	Coil	
VARIABLE RESISTORs			
VR51	EVM1SSX50B53	Variable Resistor	
VR101	EVM1SSX50B14	Variable Resistor	
VR102	EVM3YSX50B54	Variable Resistor	
RESISTOR NETWORKs			
RA601	EXBV8V102JV	Resistor Network	
RA602	EXBV8V222JV	Resistor Network	
RA603	EXBV8V102JV	Resistor Network	
RA604	EXBV8V102JV	Resistor Network	
RA605	EXBV8V470JV	Resistor Network	
RA606	EXBV8V221JV	Resistor Network	
RA607	EXBV8V102JV	Resistor Network	
RA608	EXBV8V102JV	Resistor Network	
Mechanical Parts			
MISCELLANEOUS			
AT1	K4ZZ01000048	Terminal	
AT2	K4ZZ01000048	Terminal	
AT3	K4ZZ01000048	Terminal	

Ref. No.	Part No.	Part Name & Description	Remarks
AT4	K4ZZ01000048	Terminal	
1	YEFA031748	Upper Cover	
2	YEFX0215124	Bracket, RCA	
3	YEFX0215123	Bracket, CN702	
4	YEFR04187	RCA Cap	
6	YEFX0215122	Bracket, CN701/CJ1-4	
7	YEFA011911	Chassis	
8	YEP0PT9099B0	J-Box PCB Ass'y	RTL
20	XTB3+6FFX	Tapping Screw, 3mm * 6mm	
21	YEJT03015	Tapping Screw, 3mm * 6mm	

18. EXPLODED VIEW [Hide-away Unit (J-Box Block)]


1
20
20
CN202
21
2
3
AT2
21
AT1
CN301
CN702
CN701
CN201
4
CJ3
CJ4
CJ2
AT3
21
21
6
8
J–BOX P.C.B.
E-9099A
CJ1
AT4
7
CQ-VAD7300U
2
2
1
1
A
B

19. DVD PLAYER PARTS LIST

Notes :

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.**

3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**
    - **Order intake period is basically six months after the first shipment.**

Ref. No.	Part No.	Part Name & Description	Remarks
[E9179C] DVD Servo Block			
ICs AND TRANSISTORs			
IC101	AN8703FH-V	IC	
IC201	MNZS28EGAUC	IC	
IC202	MN13821JP	IC	
IC204	YEAMT7ST08UL	IC	
IC301	MN102H60GAC	IC	
IC302	C3BBHC000246	IC	
IC303	C3FBLG000012	IC	
IC401	C0GBY0000012	IC	
IC402	C0GBH0000006	IC	
IC501	MN677533MPUC	IC	
IC502	C3ABPG000102	IC	
IC503	C1AB00001643	IC	
IC601	C0FBBK000019	IC	
Q101	2SB766ATX	Transistor	
Q102	B1GBCFNN0001	Transistor	
Q103	B1GDCFNN0001	Transistor	
Q104	2SB766ATX	Transistor	
Q401	B3HB00000012	Transistor	
Q403	B3HB00000012	Transistor	
Q404	B1GBGEEA0001	Transistor	
Q405	B1GBCFNN0001	Transistor	
DIODEs			
D301	MA721TX	Diode	
D401	MA721TX	Diode	
CAPACITORs			
C101	F1K0J1060015	Ceramic, 10 μ F 6.3WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C102	YECSW0J476MS	Tantalum, 47 μ F 6.3WV	
C103	F1G1A104A001	Ceramic, 0.1 μ F 10WV	
C104	F1G1A104A001	Ceramic, 0.1 μ F 10WV	
C105	F1G1A104A001	Ceramic, 0.1 μ F 10WV	
C106	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C107	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C108	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C109	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C110	F1G1C103A033	Ceramic, 0.01 μ F 16WV	
C111	F1G1A104A001	Ceramic, 0.1 μ F 10WV	
C112	F1G1H101A410	Ceramic, 100PF 50WV	
C113	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C114	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C115	F1G1A104A001	Ceramic, 0.1 μ F 10WV	
C116	F1G1H561A401	Ceramic, 560PF 50WV	
C117	F1G1H561A401	Ceramic, 560PF 50WV	
C118	F1H1C473A005	Ceramic, 0.047 μ F 16WV	
C119	F1H1E273A011	Ceramic, 0.027 μ F 25WV	
C120	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C121	F1G1H561A401	Ceramic, 560PF 50WV	
C122	F1G1A104A001	Ceramic, 0.1 μ F 10WV	
C123	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C124	F1G1H6R0A037	Ceramic, 6PF 50WV	
C125	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C126	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C127	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C128	F1K0J1060015	Ceramic, 10 μ F 6.3WV	
C129	YECSW0J476MS	Tantalum, 47 μ F 6.3WV	
C130	F1G1A104A001	Ceramic, 0.1 μ F 10WV	
C201	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C202	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C203	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C204	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C205	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C206	F1K0J1060015	Ceramic, 10 μ F 6.3WV	
C207	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C208	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C209	F1G1C103A033	Ceramic, 0.01 μ F 16WV	
C210	F1G1C103A033	Ceramic, 0.01 μ F 16WV	
C211	F1G1H120A408	Ceramic, 12PF 50WV	
C212	F1G1H120A408	Ceramic, 12PF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C213	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C214	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C215	F1G1A104A001	Ceramic, 0.1 μ F 10WV	
C216	F1G1A104A001	Ceramic, 0.1 μ F 10WV	
C217	F1G1C103A033	Ceramic, 0.01 μ F 16WV	
C218	F1G1A104A001	Ceramic, 0.1 μ F 10WV	
C219	F1G1A104A001	Ceramic, 0.1 μ F 10WV	
C220	F1G1A104A001	Ceramic, 0.1 μ F 10WV	
C221	F1G1A104A001	Ceramic, 0.1 μ F 10WV	
C222	F1G1C103A033	Ceramic, 0.01 μ F 16WV	
C223	F1K0J1060015	Ceramic, 10 μ F 6.3WV	
C224	F1G1C223A033	Ceramic, 0.022 μ F 16WV	
C226	F1G1H470A058	Ceramic, 47PF 50WV	
C227	F1G1A104A001	Ceramic, 0.1 μ F 10WV	
C228	F1G1A104A001	Ceramic, 0.1 μ F 10WV	
C229	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C230	YECUZ1H562KX	Ceramic, 0.0056 μ F 50WV	
C231	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C232	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C233	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C234	F1G1H222A401	Ceramic, 0.0022 μ F 50WV	
C235	F1G1H471A401	Ceramic, 470PF 50WV	
C236	F1G1H561A401	Ceramic, 560PF 50WV	
C237	F1G1H561A401	Ceramic, 560PF 50WV	
C238	F1K0J1060015	Ceramic, 10 μ F 6.3WV	
C239	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C240	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C241	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C242	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C243	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C244	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C245	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C246	F1G1A104A001	Ceramic, 0.1 μ F 10WV	
C247	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C248	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C249	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C301	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C302	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C303	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C304	F1G1H102A401	Ceramic, 0.001 μ F 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C305	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C306	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C308	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C309	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C310	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C311	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C312	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C313	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C314	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C401	F1J1C1050013	Ceramic, 1 μ F 16WV	
C402	F1K0J1060015	Ceramic, 10 μ F 6.3WV	
C403	F1G1A104A001	Ceramic, 0.1 μ F 10WV	
C404	F1G1A104A001	Ceramic, 0.1 μ F 10WV	
C405	F1G1A104A001	Ceramic, 0.1 μ F 10WV	
C406	F1G1A104A001	Ceramic, 0.1 μ F 10WV	
C407	F1G1A104A001	Ceramic, 0.1 μ F 10WV	
C408	F1K0J1060015	Ceramic, 10 μ F 6.3WV	
C409	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C410	F1G1A104A001	Ceramic, 0.1 μ F 10WV	
C411	F1G1A104A001	Ceramic, 0.1 μ F 10WV	
C412	F1G1A104A001	Ceramic, 0.1 μ F 10WV	
C413	F1G1A104A001	Ceramic, 0.1 μ F 10WV	
C501	F1K0J1060015	Ceramic, 10 μ F 6.3WV	
C502	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C503	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C504	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C505	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C506	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C507	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C508	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C509	F1K0J1060015	Ceramic, 10 μ F 6.3WV	
C511	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C512	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C513	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C514	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C515	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C516	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C517	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C518	F1G1H102A401	Ceramic, 0.001 μ F 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C519	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C520	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C521	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C522	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C524	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C525	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C526	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C527	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C529	F1K0J1060015	Ceramic, 10 μ F 6.3WV	
C530	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C531	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C532	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C533	F1G1A104A001	Ceramic, 0.1 μ F 10WV	
C534	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C535	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C536	F1G1A104A001	Ceramic, 0.1 μ F 10WV	
C537	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C538	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C539	F1K0J1060015	Ceramic, 10 μ F 6.3WV	
C540	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C541	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C542	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C543	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C544	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C545	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C546	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C547	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C548	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C549	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C550	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C551	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C552	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C553	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C554	F1K0J1060015	Ceramic, 10 μ F 6.3WV	
C555	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C556	F1G1A104A001	Ceramic, 0.1 μ F 10WV	
C557	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C558	F1G1A104A001	Ceramic, 0.1 μ F 10WV	
C560	F1G1H102A401	Ceramic, 0.001 μ F 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C561	F1G1A104A001	Ceramic, 0.1 μ F 10WV	
C562	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C563	F1G1A104A001	Ceramic, 0.1 μ F 10WV	
C565	F1G1H102A401	Ceramic, 0.001 μ F 50WV	
C566	F1K0J1060015	Ceramic, 10 μ F 6.3WV	
C567	F1G1H560A016	Ceramic, 56PF 50WV	
C568	F1G1H1R0A038	Ceramic, 1PF 50WV	
C570	F1K0J1060015	Ceramic, 10 μ F 6.3WV	
C571	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C572	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C573	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C574	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C601	F1G1A104A001	Ceramic, 0.1 μ F 10WV	
C602	F1K0J1060015	Ceramic, 10 μ F 6.3WV	
C603	F1K0J1060015	Ceramic, 10 μ F 6.3WV	
C604	F1K0J1060015	Ceramic, 10 μ F 6.3WV	
C605	F1K0J1060015	Ceramic, 10 μ F 6.3WV	
C701	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C702	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C703	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C704	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C705	F1J1C1050013	Ceramic, 1 μ F 6.3WV	
RESISTORs			
L501	ERJ3GEYJ180V	Chip, 18 Ω 1/16W	
L502	ERJ3GEYJ180V	Chip, 18 Ω 1/16W	
L601	ERJ8GEYJ100V	Chip, 10 Ω 1/8W	
L602	ERJ8GEYJ100V	Chip, 10 Ω 1/8W	
L603	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
R101	ERJ12YJ200H	Chip, 20 Ω 1/2W	
R102	ERJ2GEJ2R2X	Chip, 2.2 Ω 1/16W	
R103	ERJ2GEJ102X	Chip, 1k Ω 1/16W	
R105	ERJ3RBD243V	Chip, 24k Ω 1/16W	
R106	ERJ2GEJ392X	Metal Film, 3.9k Ω 1/16W	
R107	ERJ2GEJ123X	Chip, 12k Ω 1/16W	
R108	ERJ2GEJ123X	Chip, 12k Ω 1/16W	
R109	ERJ2GEJ183X	Metal Film, 18k Ω 1/16W	
R110	ERJ2GEJ202X	Chip, 2k Ω 1/16W	
R111	ERJ2GEJ105X	Chip, 1M Ω 1/16W	
R112	ERJ2GEJ105X	Chip, 1M Ω 1/16W	
R113	ERJ2GEJ122X	Chip, 1.2k Ω 1/16W	
R114	ERJ2GEJ105X	Chip, 1M Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R115	ERJ12YJ200H	Chip, 20 Ω 1/2W	
R116	ERJ2GEJ2R2X	Chip, 2.2 Ω 1/16W	
R117	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R118	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R202	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R203	ERJ2GEJ472X	Chip, 4.7k Ω 1/16W	
R204	ERJ2GEJ472X	Chip, 4.7k Ω 1/16W	
R205	ERJ2GEJ273X	Chip, 27k Ω 1/16W	
R206	ERJ2GEJ273X	Chip, 27k Ω 1/16W	
R207	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R208	ERJ2GEJ473X	Chip, 47k Ω 1/16W	
R209	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R210	ERJ2GEJ105X	Chip, 1M Ω 1/16W	
R211	ERJ2GEJ471X	Chip, 470 Ω 1/16W	
R212	ERJ2GEJ393X	Chip, 39k Ω 1/16W	
R213	ERJ2GEJ102X	Chip, 1k Ω 1/16W	
R214	ERJ2GEJ153X	Chip, 15k Ω 1/16W	
R216	ERJ2GEJ105X	Chip, 1M Ω 1/16W	
R217	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R218	ERJ2GEJ562X	Chip, 5.6k Ω 1/16W	
R219	ERJ2GEJ562X	Chip, 5.6k Ω 1/16W	
R220	ERJ2GEJ473X	Chip, 47k Ω 1/16W	
R225	ERJ2GEJ220X	Chip, 22 Ω 1/16W	
R227	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R228	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R230	ERJ2GEJ820X	Chip, 82 Ω 1/16W	
R231	ERJ2GEJ220X	Chip, 22 Ω 1/16W	
R232	ERJ2GEJ820X	Chip, 82 Ω 1/16W	
R233	ERJ2GE0R00X	Chip, 0 Ω 1/16W	
R234	ERJ2GEJ820X	Chip, 82 Ω 1/16W	
R235	ERJ2GEJ820X	Chip, 82 Ω 1/16W	
R236	ERJ2GEJ223X	Chip, 22k Ω 1/16W	
R237	ERJ2GEJ333X	Chip, 33k Ω 1/16W	
R245	ERJ2GEJ101X	Chip, 100 Ω 1/16W	
R246	ERJ2GEJ101X	Chip, 100 Ω 1/16W	
R301	ERJ2GEJ471X	Chip, 470 Ω 1/16W	
R303	ERJ2GEJ473X	Chip, 47k Ω 1/16W	
R304	ERJ2GEJ102X	Chip, 1k Ω 1/16W	
R306	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R307	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R308	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R309	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R310	ERJ2GEJ473X	Chip, 47k Ω 1/16W	
R311	ERJ2GEJ473X	Chip, 47k Ω 1/16W	
R314	ERJ2GEJ332X	Chip, 3.3k Ω 1/16W	

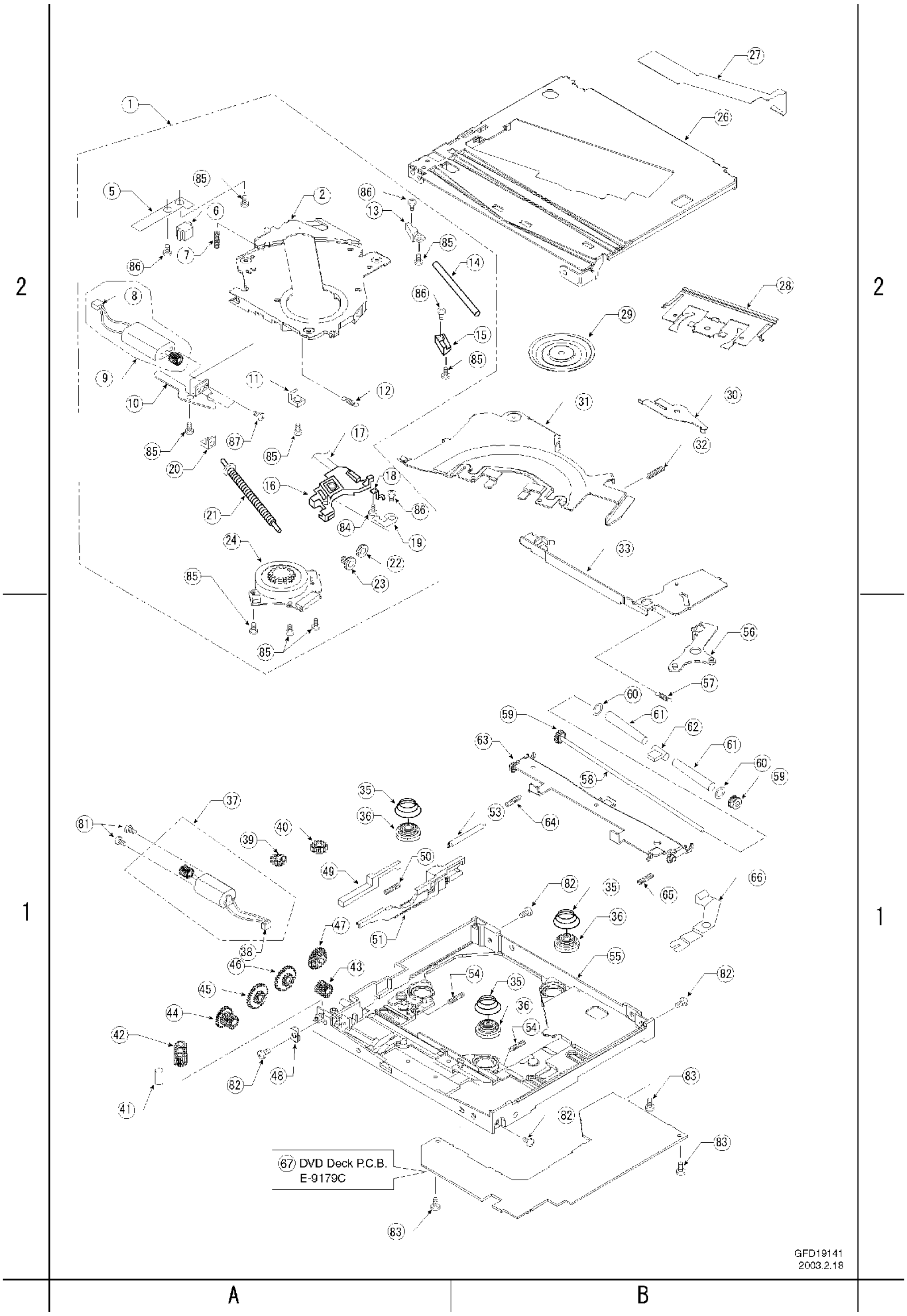
Ref. No.	Part No.	Part Name & Description	Remarks
R315	ERJ2GEJ332X	Chip, 3.3k Ω 1/16W	
R316	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R317	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R318	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R319	ERJ2GEJ473X	Chip, 47k Ω 1/16W	
R320	ERJ2GEJ473X	Chip, 47k Ω 1/16W	
R326	ERJ2GEJ102X	Chip, 1k Ω 1/16W	
R327	ERJ2GEJ102X	Chip, 1k Ω 1/16W	
R328	ERJ2GEJ102X	Chip, 1k Ω 1/16W	
R330	ERJ2GEJ102X	Chip, 1k Ω 1/16W	
R331	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R332	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R401	ERJ2GEJ562X	Chip, 5.6k Ω 1/16W	
R402	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R403	ERJ2GEJ682X	Chip, 6.8k Ω 1/16W	
R404	ERJ2GEJ562X	Chip, 5.6k Ω 1/16W	
R405	ERJ2GEJ472X	Chip, 4.7k Ω 1/16W	
R406	ERJ2GEJ472X	Chip, 4.7k Ω 1/16W	
R407	ERJ2GEJ473X	Chip, 47k Ω 1/16W	
R408	ERJ8GEYJR68V	Chip, 0.68 Ω 1/8W	
R409	ERJ2GEJ101X	Chip, 100 Ω 1/16W	
R410	ERJ2GEJ101X	Chip, 100 Ω 1/16W	
R411	ERJ2GEJ181X	Chip, 180 Ω 1/16W	
R413	ERJ2GEJ181X	Chip, 180 Ω 1/16W	
R501	ERJ2GEJ470X	Chip, 47 Ω 1/16W	
R509	ERJ2GEJ473X	Chip, 47k Ω 1/16W	
R510	ERJ2GEJ473X	Chip, 47k Ω 1/16W	
R511	ERJ2GEJ752X	Chip, 7.5k Ω 1/16W	
R512	ERJ2GEJ152X	Chip, 1.5k Ω 1/16W	
R513	ERJ2GEJ102X	Chip, 1k Ω 1/16W	
R514	ERJ2GE0R00X	Chip, 0 Ω 1/16W	
R515	ERJ2GEJ105X	Chip, 1M Ω 1/16W	
R517	ERJ2GEJ102X	Chip, 1k Ω 1/16W	
R518	ERJ2GEJ102X	Chip, 1k Ω 1/16W	
R519	ERJ2GEJ102X	Chip, 1k Ω 1/16W	
R520	ERJ2GEJ102X	Chip, 1k Ω 1/16W	
R521	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R524	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R525	ERJ2GEJ101X	Chip, 100 Ω 1/16W	
R532	ERJ2GEJ471X	Chip, 470 Ω 1/16W	
R533	ERJ2GEJ471X	Chip, 470 Ω 1/16W	
R601	ERJ2GEJ221X	Chip, 220 Ω 1/16W	
R602	ERJ2GEJ221X	Chip, 220 Ω 1/16W	
R603	ERJ2GEJ273X	Chip, 27k Ω 1/16W	
R604	ERJ2GEJ273X	Chip, 27k Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R605	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
CONNECTORs			
CN1	K1MN40B00022	Connector, 40P	
CN2	K1MN40B00022	Connector, 40P	
CN3	YEAE5243530	Connector, 30P	
CN4	YEAE5274520	Connector, 20P	
CN5	YEAE5326102	Connector, 2P	
CN6	K1MN04B00014	Connector, 4P	
SWITCHES			
SW1	K0L1BA000023	Switch	
CRYSTALs			
X201	H0J168500003	Crystal OSC	
X501	H0J270500037	Crystal OSC	
CERAMIC FILTERs			
L202	J0JGC0000018	Noise Filter	
L203	J0JGC0000018	Noise Filter	
L527	J0JGC0000018	Noise Filter	
L528	J0JGC0000018	Noise Filter	
COILs			
L101	YELTBLM1A601	Coil	
L102	YELTBLM1A601	Coil	
L201	YELTBLM1A601	Coil	
L204	YELTBLM1A601	Coil	
L301	YELTBLM1A601	Coil	
L302	YELTBLM1A601	Coil	
L303	YELTBLM1A601	Coil	
L503	YELTBLM1A601	Coil	
L506	YELTBLM1A601	Coil	
L507	YELTBLM1A601	Coil	
L508	YELTBLM1A601	Coil	
L509	YELTBLM1A601	Coil	
L510	YELTBLM1A601	Coil	
L513	YELTBLM1A601	Coil	
L514	YELTBLM1A601	Coil	
L515	YELTBLM1A601	Coil	
L518	YELTBLM1A601	Coil	
L520	YELTBLM1A601	Coil	
L524	YELTBLM1A601	Coil	
L525	YELTBLM1A601	Coil	
L526	YELTBLM1A601	Coil	
L529	YELTBLM1A601	Coil	

Ref. No.	Part No.	Part Name & Description	Remarks
RESISTOR NETWORKs			
R134	D1H810340005	Resistor Network	
R135	D1H810340005	Resistor Network	
R221	D1H822040002	Resistor Network	
R222	D1H822040002	Resistor Network	
R223	D1H822040002	Resistor Network	
R224	D1H822040002	Resistor Network	
R226	D1H810340005	Resistor Network	
R229	D1H882040001	Resistor Network	
R302	D1H810340005	Resistor Network	
R312	D1H810340005	Resistor Network	
R321	D1H822140004	Resistor Network	
R322	D1H822140004	Resistor Network	
R323	D1H822140004	Resistor Network	
R324	D1H822140004	Resistor Network	
R325	D1H822140004	Resistor Network	
R502	D1H882040001	Resistor Network	
R503	D1H882040001	Resistor Network	
R504	D1H882040001	Resistor Network	
R505	D1H882040001	Resistor Network	
R506	D1H882040001	Resistor Network	
R507	D1H882040001	Resistor Network	
R508	D1H882040001	Resistor Network	
R522	D1H810340005	Resistor Network	
R523	D1H810340005	Resistor Network	
Mechanical Parts			
MISCELLANEOUS			
1	YGP0FX4806	Optical Deck Unit	
2	YGP0FX4809	Suspension Shassis Ass'y	
5	YGFX9992762	Tilt Plate (A) Ass'y	
6	YGFW04190	Lead Housing	
7	YGFX0052646	Coil Spring A	
8	K1LB0ZA00092	Connector w/Lead Wire	
9	YGP0FX4811	Traverse Motor Ass'y	
10	YGFX9992768	Mortor Holder	
11	YGFW04191	Lead Holding Spring	
12	YGFX0052643	Lead Holding Spring	
13	YGFX9992766	Tilt Plate (C) Ass'y	
14	YGFW062775	Guide Shaft	
15	YGFX9992764	Tilt Plate (B) Ass'y	
16	RAF3050A-CK1	Optical Pick-up Ass'y	
17	YGAP2812	Spindle FPC	
18	YGFX0052646	Steady Spring	
19	YGFX0052644	Feed Screw Housing	
20	YGP0FX4813	In Housing Ass'y	
21	YGP0FX4812	Feed Screw Ass'y	

Ref. No.	Part No.	Part Name & Description	Remarks
22	YGFX0031177	Feed-Screw Gear	
23	YGFX0031176	Traverse Gear (2)	
24	BKL2E03FA	Spindle Motor	
26	YGFA012013	Upper Shassis	
27	YGFP2820	Sensor FPC Ass'y	
28	YGFX0052637	Clamp Spring	
29	YGFX9992759	Clamper	
30	YGFX0052638	Change-over Arm	
31	YGFX249501	Clamp Arm	
32	YGFX0052654	Earth Spring	
33	YGFX0462197	Suspension Lock Lever (L)	
35	YGFX0052630	Suspension Spring	
36	YGFS04760	Damper	
37	YGP0FX4803	Loading Motor Ass'y	
38	K1LB0ZA00093	Connector w/Lead Wire	
39	YGFX0031172	Lock Gear (1)	
40	YGFX0031173	Lock Gear (2)	
41	YGFW062772	Loading Gear Shaft	
42	YGFX0031166	Laoding Gear (1)	
43	YGFX0031167	Laoding Gear (2)	
44	YGFX0031168	Laoding Gear (3)	
45	YGFX0031169	Laoding Gear (4)	
46	YGFX0031170	Laoding Gear (5)	
47	YGFX0031171	Laoding Gear (6)	
48	YGFX0052632	Worm Gear Housing Spring	
49	YGFX0031178	Clamp Rack	
50	YGFX0052633	Clamp Rack Spring	
51	YGFX0462195	Slide Lever	
53	YGFX0052634	Slide Lever Spring	
54	YGFX0052630	Offset Spring	
55	YGFA012014	Main Shassis	
56	YGFX0462196	Suspension Lock Lever (R)	
57	YGFX0052635	Suspension Lock Lever L Spring	
58	YGP0FX4808	Roller Gear Ass'y	
59	YGFW04189	Roller Shaft Housing	
60	YGFX9992760	Roller Collar	
61	YGFX218314	Rubber Roller	
62	YGFX9992761	Roller Sleeve	
63	YGFX249502	Feeder Arm	
64	YGFX0052668	Feeder Spring (L)	
65	YGFX0052669	Feeder Spring (R)	
66	YGFX0052639	Upper Spring	
67	YGP0PT9179A0	Servo PCB Assy	RTL
81	YGJS06292	Screw	
82	YEJT03152	Screw	
83	YGJT01101	Screw	
84	YGJS06295	Screw, M1.4mm * 2mm	
85	YGJT01100	Screw, M1.7mm * 5mm	
86	YGJS06293	Screw, M1.7mm	
87	YGJS06277	Screw, M1.2mm * 1.8mm	

20. EXPLODED VIEW [DVD Deck]


27
1
26
5
85
2
86
13
6
85
7
86
14
2
8
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29
28
15
85
9
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31
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17
85
67
85
32
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18
16
86
21
84
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24
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23
33
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85
56
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60
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35
53
64
36
37
81
40
39
50
49
65
66
82
35
36
38
51
47
55
46
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43
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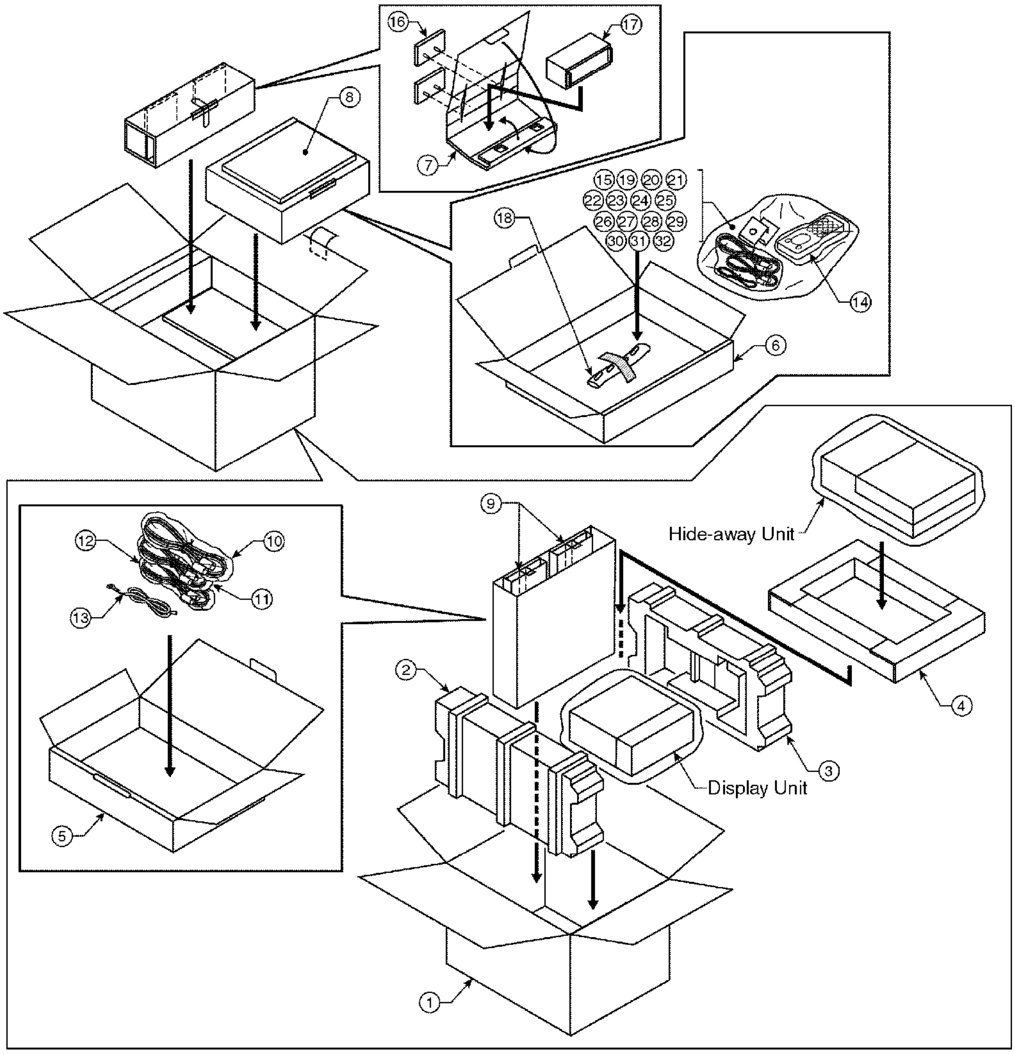
45
82
44
36
54
42
48
82
83
41
82
83
(67) DVD Deck P.C.B.
E-9179C
83
GFD19141
2003.2.18
2
1
A
B

21. PACKING PARTS LIST


⑯
⑰
⑧
⑦
⑮⑲⑳㉑
㉒㉓㉔㉕
㉖㉗㉘㉙
㉚㉛㉜
⑱
⑭
⑥
⑨
Hide-away Unit
⑫
⑩
⑪
⑬
②
④
③
Display Unit
⑤
①

Item numbers listed below should not order reqgular spare parts. (not available)

Item No.	Parts No.	Parts Name & Description	Q'ty	Remarks
1	-	Inner Carton	1	Not available
2	-	Packing Pad (L)	1	Not available
3	-	Packing Pad (R)	1	Not available
4	-	Packing Pad (A)	1	Not available
5	-	Packing Pad (B)	1	Not available
6	-	Packing Pad (C)	1	Not available
7	-	Packing Pad (D)	1	Not available
8	-	Operating Instructions Kit	(1)	Not available
	YEFM284012	Operating Instructions	(1)	
	-	Warranty Card for USA	(1)	Not available
	-	Warranty Card for Canada	(1)	Not available
	-	Service center List for USA	(1)	Not available
	-	Caution Label (English)	(1)	Not available
9	YEFG021010A	Mounting Bracket	2	
10	YEAA12692	TV Antenna	1	
11	YEAA12693	TV Antenna	1	
12	YEAJ011723	Power Connector / (for display unit)	1	
		Reverse Extension Cord / (for rear view camera)	1	
		Clip Connector	1	
13	YEAJ09271	Ground Lead	1	
14	YEFX9993009	Remote Controller	1	
15	CR2025/1F	Lithium Battery	1	
16	YEFG012424	Base Bracket	2	
17	YEFG012694	Mounting Collar	1	
18	YEFG04019	Rear Support Strap	1	
19	EAB507A	Speaker	1	
20	YEFX9991793	Wiping Cloth	1	

Item No.	Parts No.	Parts Name & Description	Q'ty	Remarks
21	YEP9FZ2739	Trim Plate	1	
22	YEFX0052424A	Mounting Spring	2	
23	YEP9BS1152	Screws Kit	1	
24	YEP9BS1169	Screws Kit	1	
25	YEP9FZ2761	Spacer Kit	1	
26	YEP9FZ3040	Cord Clamper Kit (Speaker)	1	
27	YEP9BS1194	Screws Kit	1	
28	YEP9FZ3042	Tape Kit	1	
29	YEP9FZ3041	Cord Clamper Kit (Antenna)	1	
30	YEAJ071458	Display Unit / Hide -away Unit Connecting Cord	1	
31	YEAJ011666	Power Connector / (for hide-away unit)	1	
32	YEAA09141	Radio Antenna Extension Cord	1	

22. WIRING DIAGRAM

22.1. Main Block (Top View)

22.2. Main Block (Bottom View)

22.3. Monitor & Switch Block (Top View)

22.4. Monitor & Switch Block (Bottom View)

22.5. AMP & Joint Block (Top View)

22.6. AMP & Joint Block (Bottom View)

22.7. J-Box Block (Top View)

22.8. J-Box Block (Bottm View)

22.9. DVD Deck Block (Top View)

22.10. DVD Deck Block (Bottom View)

22.11. SUB Block

23. SCHEMATIC DIAGRAM -1

23.1. Switch Block

23.2. Main-4 Block

24. SCHEMATIC DIAGRAM -2

24.1. Main-1 Block

24.2. Main-2 Block

24.3. Main-3 Block

24.4. Sub Block

24.5. Monitor Block

24.6. Amp/Joint Block

24.7. J-Box Block

24.8. DVD Deck-1 Block

24.9. DVD Deck-2 Block

25. SCHEMATIC DIAGRAM for Printing with Letter Size

25.1. Main-1 Block (Left Side)

25.2. Main-1 Block (Right Side)

25.3. Main-2 Block (Left Side)

25.4. Main-2 Block (Right Side)

25.5. Main-3 Block (Left Side)

25.6. Main-3 Block (Right Side)

25.7. Sub Block (Left Side)

25.8. Sub Block (Right Side)

25.9. Monitor Block (Left Side)

25.10. Monitor Block (Right Side)

25.11. Amp-1/Joint Block (Left Side)

25.12. Amp-1/Joint Block (Right Side)

25.13. J-Box Block (Left Side)

25.14. J-Box Block (Right Side)

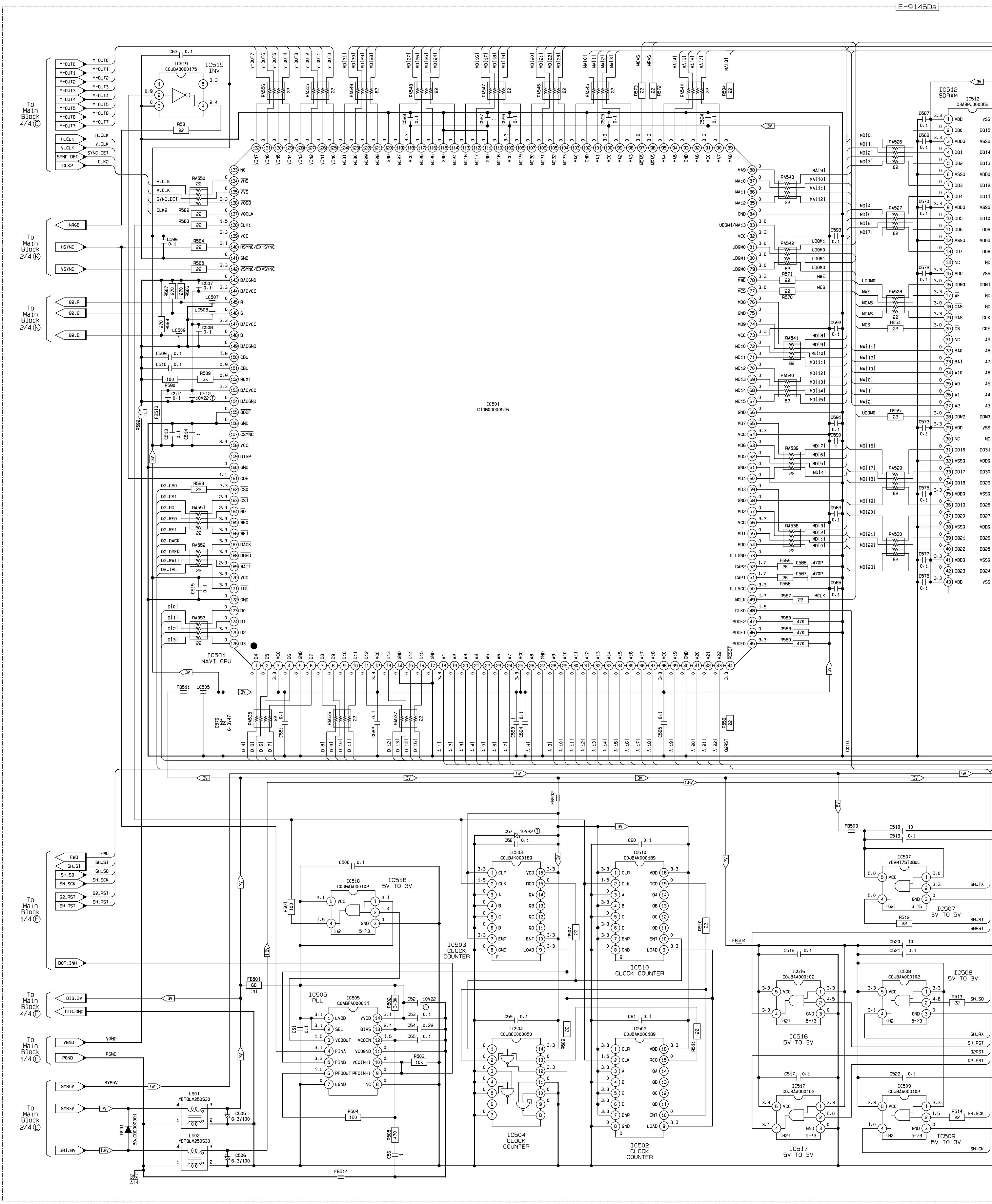
25.15. DVD Deck-1 Block (Left Side)

25.16. DVD Deck-1 Block (Right Side)

25.17. DVD Deck-2 Block (Left Side)

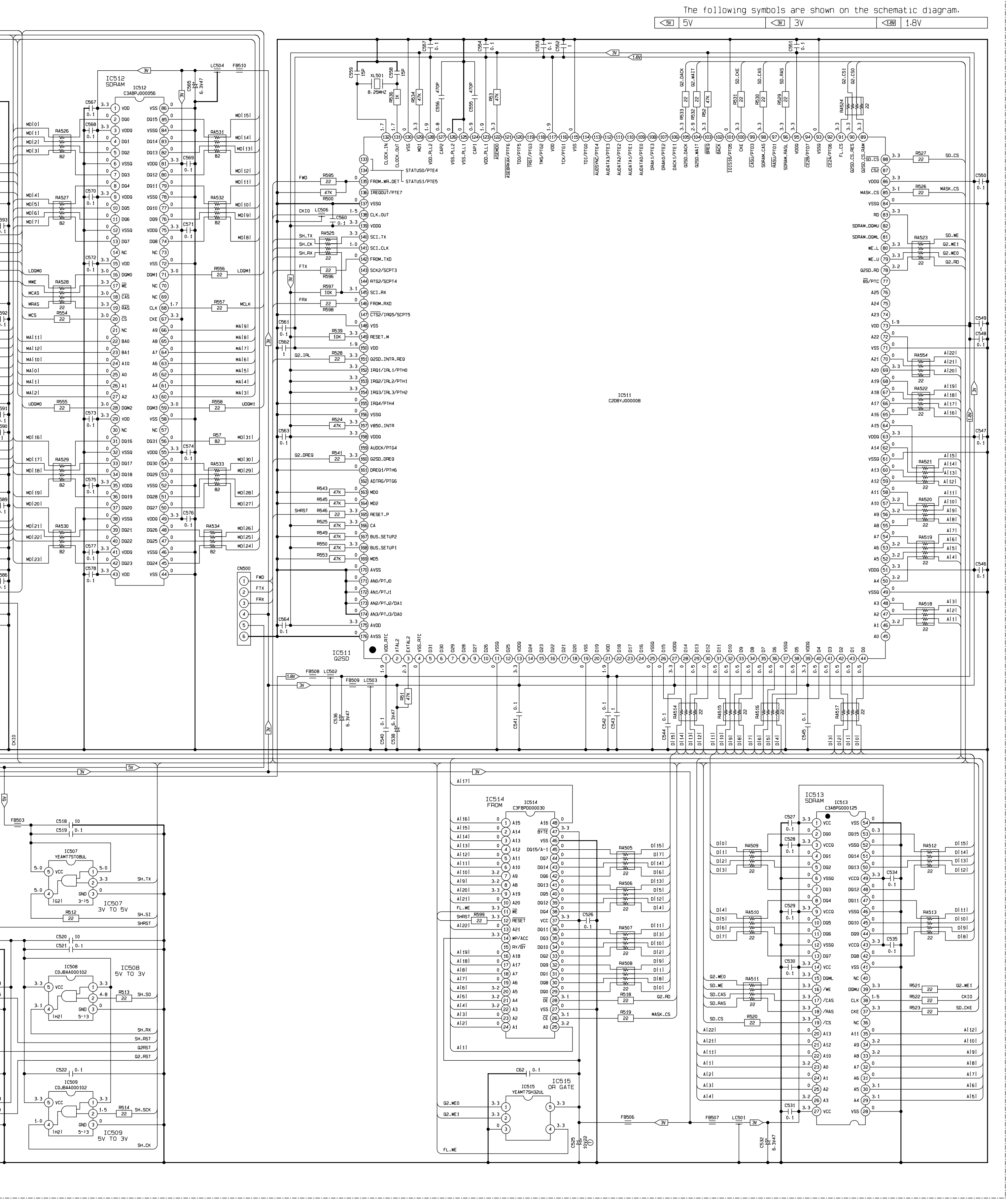
25.18. DVD Deck-2 Block (Right Side)

24.3. Main-3 Block


E-9146Da
To Main Block 4/4 Ⓞ
To Main Block 2/4 Ⓚ
To Main Block 2/4 Ⓝ
To Main Block 1/4 Ⓕ
To Main Block 4/4 Ⓟ
To Main Block 1/4 Ⓛ
To Main Block 2/4 Ⓓ
IC519 INV
IC501 C1DB00000516
IC501 NAVI CPU
IC512 SDRAM
IC512 C3ABPJ000056
IC518 5V TO 3V
IC505 PLL
IC503 CLOCK COUNTER
IC510 CLOCK COUNTER
IC504 CLOCK COUNTER
IC502 CLOCK COUNTER
IC507 3V TO 5V
IC508 5V TO 3V
IC516 5V TO 3V
IC517 5V TO 3V
IC509 5V TO 3V
L501 YETQLM250S30
L502 YETQLM250S30
D501 B0JCDD000001
NRGB
HSYNC
VSYNC
FWD
SH.SI
SH.SO
SH.SCK
Q2.RST
SH.RST
DOT.INH
DIG.3V
DIG.GND
VGND
PGND
SYS5V
SYS3V
GR1.8V

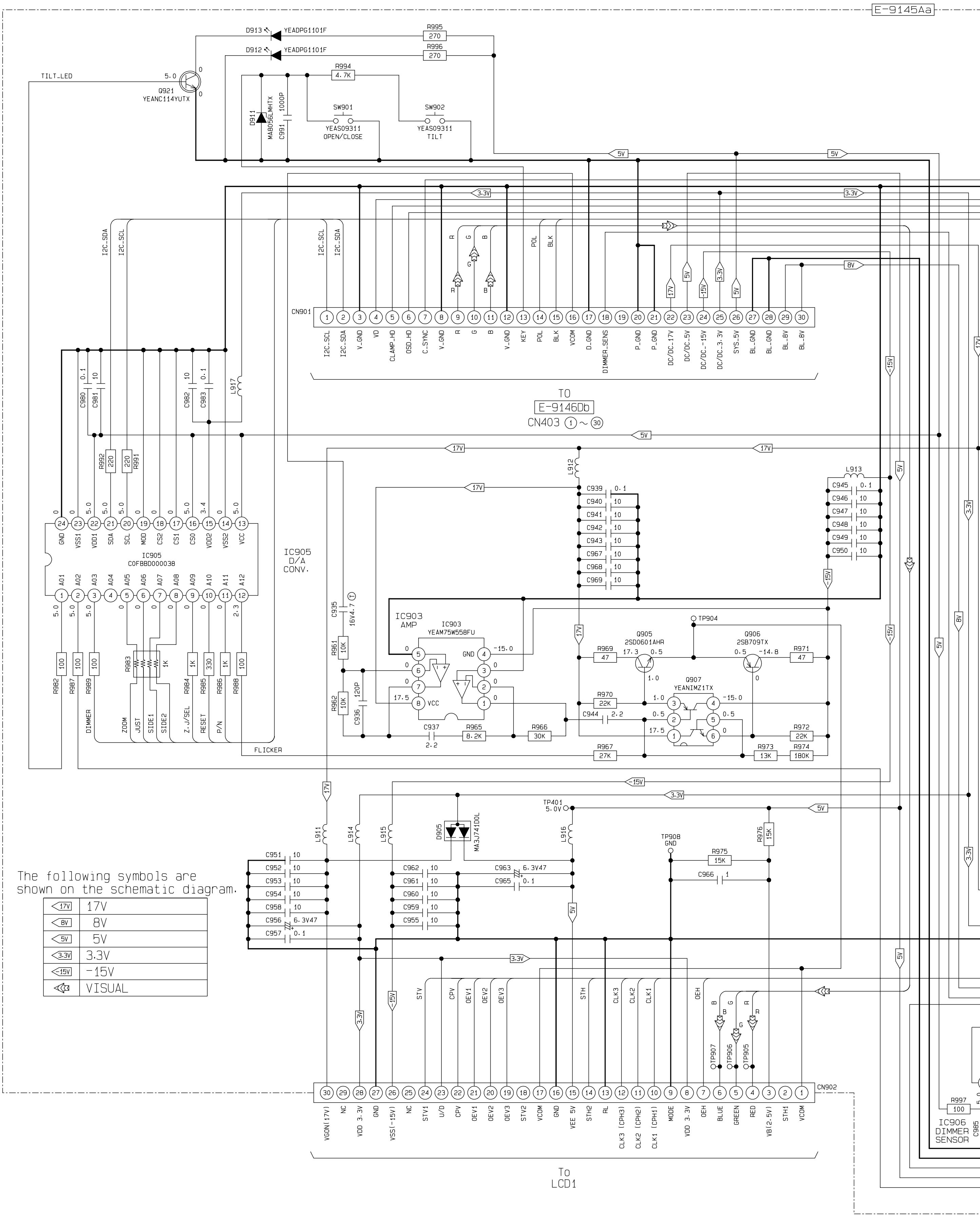
The following symbols are shown on the schematic diagram.

5V	5V	3V	3V	1.8V	1.8V



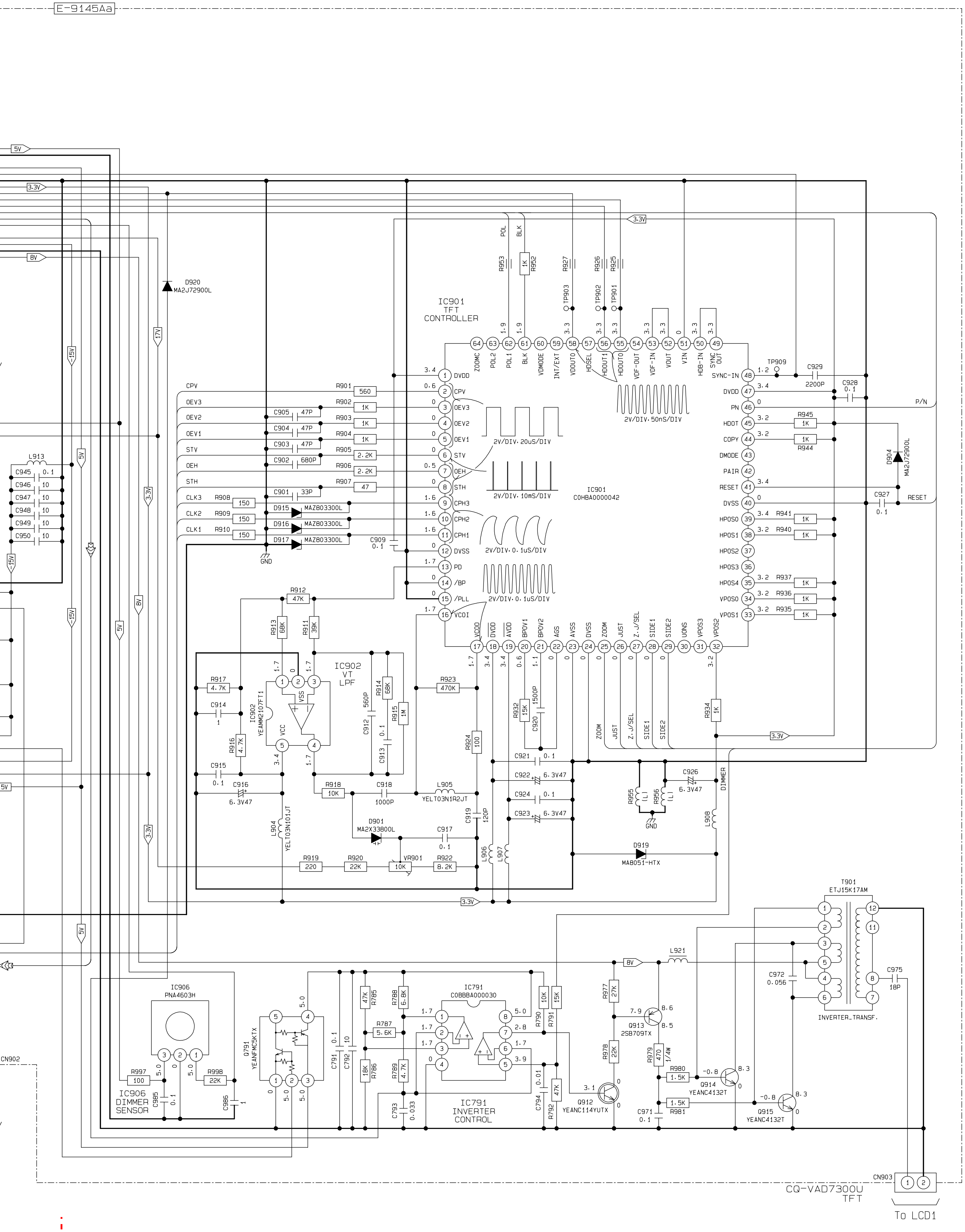
E-9146Da
IC512
SDRAM
IC512
C3ABPJ000056
IC511
C2DBYJ000008
IC511
Q2SD
IC513
SDRAM
IC513
C3ABPG000125
IC514
FROM
IC514
C3FBP0000030
IC515
OR GATE
IC515
YEAMT7SH32UL
IC507
YEAMT7ST08UL
IC507
3V TO 5V
IC508
C0JBAA000102
IC508
5V TO 3V
IC509
C0JBAA000102
IC509
5V TO 3V
XL501
8.25MHZ
CN500
FWD
FTX
FRX
SH.TX
SH.CK
SH.RX
SH.SI
SH.SO
SH.RST
SHRST
SH.SCK
SH.CK
Q2RST
Q2.RST
Q2.WE0
Q2.WE1
Q2.CS
Q2.RD
Q2.DREQ
Q2.IRL
Q2.DACK
Q2.WAIT
Q2.CS1
Q2.CS0
SD.CS
SD.CKE
SD.CAS
SD.RAS
SD.WE
MASK.CS
FL.WE
CKIO
LDQM0
LDQM1
UDQM0
UDQM1
MCLK
MWE
MCAS
MRAS
MCS
FB503
FB506
FB507
FB508
FB509
FB510
LC501
LC502
LC503
LC504
LC506

24.5. Monitor Block

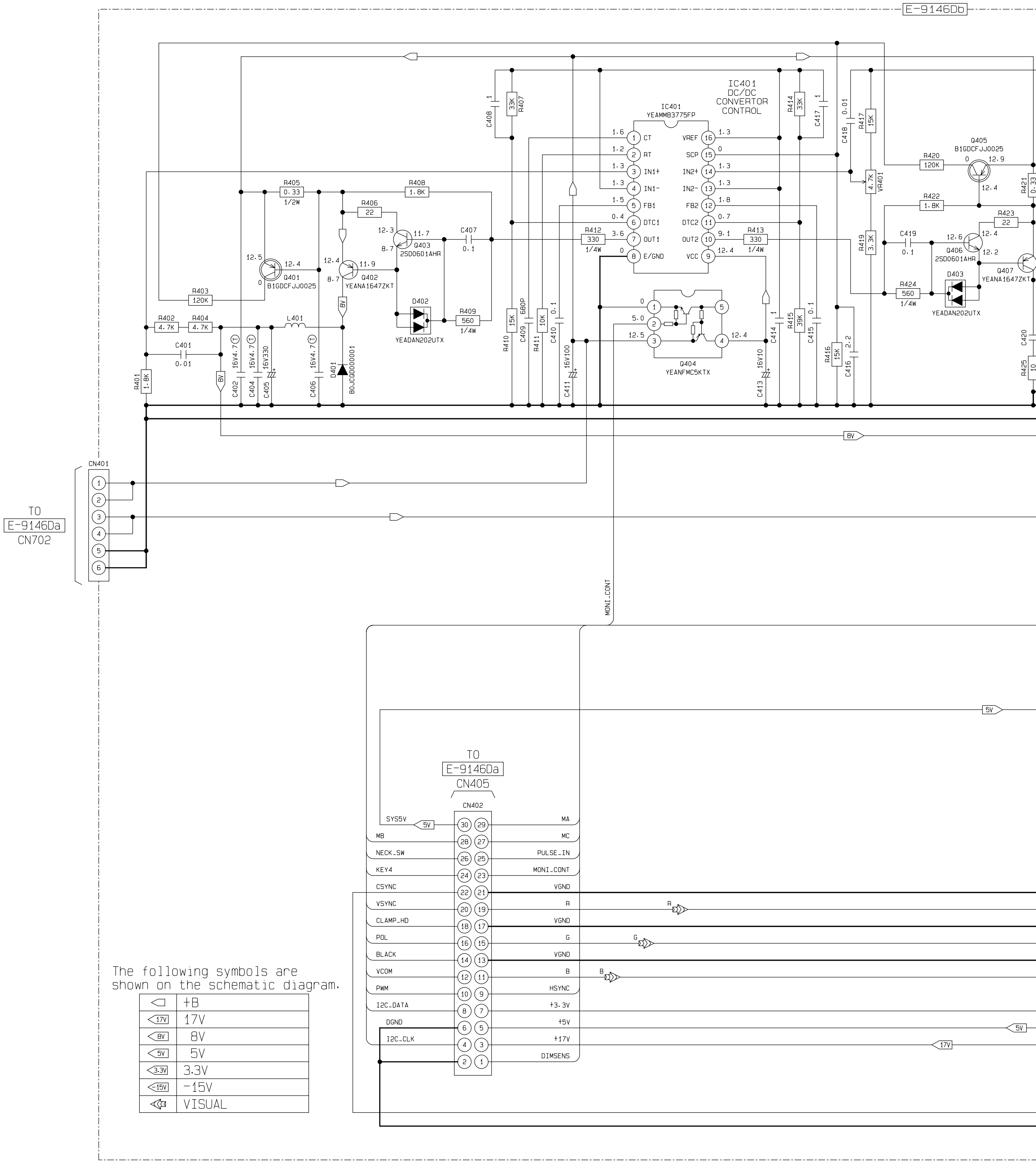

E-9145Aa
TILT_LED
Q921
YEANC114YUTX
D913
YEADPG1101F
D912
YEADPG1101F
R995
270
R996
270
R994
4.7K
D911
MA8056LMHTX
C991
1000P
SW901
YEAS09311
OPEN/CLOSE
SW902
YEAS09311
TILT
5V
3.3V
8V
17V
-15V
I2C.SDA
I2C.SCL
R
G
B
POL
BLK
CN901
I2C.SCL
I2C.SDA
V.GND
VD
CLAMP_HD
OSD_HD
C.SYNC
V.GND
R
G
B
V.GND
KEY
POL
BLK
VCOM
D.GND
DIMMER_SENS
P.GND
P.GND
DC/DC.17V
DC/DC.5V
DC/DC.-15V
DC/DC.3.3V
SYS.5V
BL.GND
BL.GND
BL.8V
BL.8V
TO
E-9146Db
CN403 ①～㉚
C980
0.1
C981
10
C982
10
C983
0.1
L917
R992
220
R991
220
IC905
COFBBD00038
GND
VSS1
VDD1
SDA
SCL
MOD
CS2
CS1
CS0
VDD2
VSS2
VCC
A01
A02
A03
A04
A05
A06
A07
A08
A09
A10
A11
A12
IC905
D/A
CONV.
R982
R987
R989
R983
R984
R985
R986
R988
100
1K
330
DIMMER
ZOOM
JUST
SIDE1
SIDE2
Z.J/SEL
RESET
P/N
FLICKER
L912
C939 0.1
C940 10
C941 10
C942 10
C943 10
C967 10
C968 10
C969 10
L913
C945 0.1
C946 10
C947 10
C948 10
C949 10
C950 10
C935
16V4.7
IC903
AMP
IC903
YEAM75W558FU
GND
VCC
-15.0
17.5
R961
10K
R962
10K
C936
120P
C937
2.2
R965
8.2K
R966
30K
TP904
Q905
2SD0601AHR
Q906
2SB709TX
Q907
YEANIMZ1TX
R969
47
R971
47
R970
22K
C944
2.2
R972
22K
R967
27K
R973
13K
R974
180K
17.3
0.5
1.0
-14.8
-15.0
TP401
5.0V
L911
L914
L915
D905
MA3J741D0L
L916
TP908
GND
R975
15K
R976
15K
C966
1
C951 10
C952 10
C953 10
C954 10
C958 10
C956 6.3V47
C957 0.1
C962 10
C961 10
C960 10
C959 10
C955 10
C963 6.3V47
C965 0.1
STV
CPV
OEV1
OEV2
OEV3
STH
CLK3
CLK2
CLK1
OEH
TP907
TP906
TP905
CN902
VGON(17V)
NC
VDD 3.3V
GND
VSS(-15V)
NC
STV1
U/D
CPV
OEV1
OEV2
OEV3
STV2
VCOM
GND
VEE 5V
STH2
RL
CLK3 (CPH3)
CLK2 (CPH2)
CLK1 (CPH1)
MODE
VDD 3.3V
OEH
BLUE
GREEN
RED
VB(2.5V)
STH1
VCOM
To
LCD1
R997
100
IC906
DIMMER
SENSOR

The following symbols are shown on the schematic diagram.

17V	17V
8V	8V
5V	5V
3.3V	3.3V
-15V	-15V
⇚	VISUAL

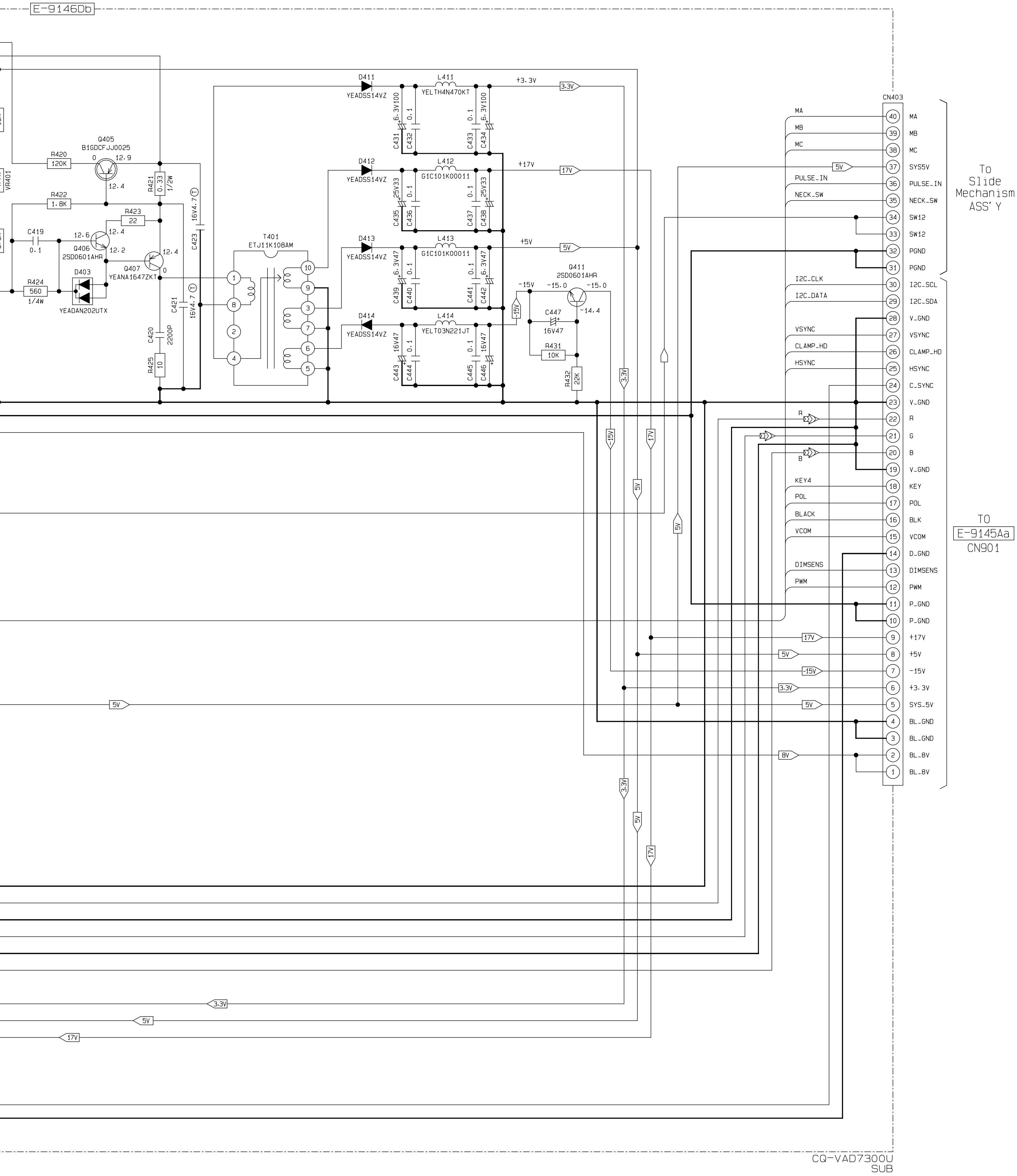

E-9145Aa
5V
3.3V
8V
D920
MA2J72900L
17V
-15V
IC901
TFT
CONTROLLER
IC901
C0HBA0000042
POL
BLK
R953
1K
R952
R927
R926
R925
TP903
TP902
TP901
ZOOMC
POL2
POL1
BLK
VDMODE
INT/EXT
VDOUTO
HDSEL
HDOUT1
HDOUTO
VDF-OUT
VDF-IN
VOUT
VIN
HDB-IN
SYNC OUT
SYNC-IN
DVDD
PN
HDOT
COPY
DMODE
PAIR
RESET
DVSS
HPOS0
HPOS1
HPOS2
HPOS3
HPOS4
VPOS0
VPOS1
DVDD
CPV
OEV3
OEV2
OEV1
STV
OEH
STH
CPH3
CPH2
CPH1
DVSS
PD
/BP
/PLL
VCOI
VCOO
DVDD
AVDD
BPOV1
BPOV2
AGS
AVSS
DVSS
ZOOM
JUST
Z.J/SEL
SIDE1
SIDE2
UONS
VPOS3
VPOS2
CPV
OEV3
OEV2
OEV1
STV
OEH
STH
CLK3
CLK2
CLK1
R901 560
R902 1K
R903 1K
R904 1K
R905 2.2K
R906 2.2K
R907 47
R908 150
R909 150
R910 150
C905 47P
C904 47P
C903 47P
C902 680P
C901 33P
D915 MAZ80330OL
D916 MAZ80330OL
D917 MAZ80330OL
C909 0.1
GND
2V/DIV. 20uS/DIV
2V/DIV. 10mS/DIV
2V/DIV. 0.1uS/DIV
2V/DIV. 0.1uS/DIV
2V/DIV. 50nS/DIV
TP909
C929 2200P
C928 0.1
P/N
R945 1K
R944 1K
D904 MA2J72900L
C927 0.1
RESET
R941 1K
R940 1K
R937 1K
R936 1K
R935 1K
L913
C945 0.1
C946 10
C947 10
C948 10
C949 10
C950 10
R912 47K
R913 68K
R911 39K
IC902
VT
LPF
IC902 YEAMM2107FT1
VSS
VCC
R917 4.7K
C914 1
R916 4.7K
C915 0.1
C916 6.3V47
C912 560P
C913 0.1
R914 68K
R915 1M
R923 470K
R924 100
R932 15K
C920 1500P
R934 1K
C921 0.1
C922 6.3V47
C924 0.1
C923 6.3V47
C926 6.3V47
R955 (L)
R956 (L)
GND
L908
DIMMER
ZOOM
JUST
Z.J/SEL
SIDE1
SIDE2
R918 10K
C918 1000P
L905 YELT03N1R2JT
C919 120P
D901 MA2X33800L
C917 0.1
L904 YELT03N101JT
L906
L907
D919 MA8051-HTX
R919 220
R920 22K
VR901 10K
R922 8.2K
T901 ETJ15K17AM
INVERTER_TRANSF.
L921
C972 0.056
C975 18P
IC906 PNA4603H
IC906
DIMMER
SENSOR
R997 100
R998 22K
C985 0.1
C986 1
Q791 YEANFMC5KTX
C791 0.1
C792 10
R785 47K
R786 18K
R788 6.8K
R789 4.7K
R787 5.6K
C793 0.033
IC791 C0BBBA000030
IC791
INVERTER
CONTROL
R790 10K
R791 15K
C794 0.01
R792 47K
Q912 YEANC114YUTX
R977 27K
R978 22K
Q913 2SB709TX
R979 470 1/4W
R980 1.5K
R981 1.5K
C971 0.1
Q914 YEANC4132T
Q915 YEANC4132T
CN902
CN903
CQ-VAD7300U
TFT
To LCD1

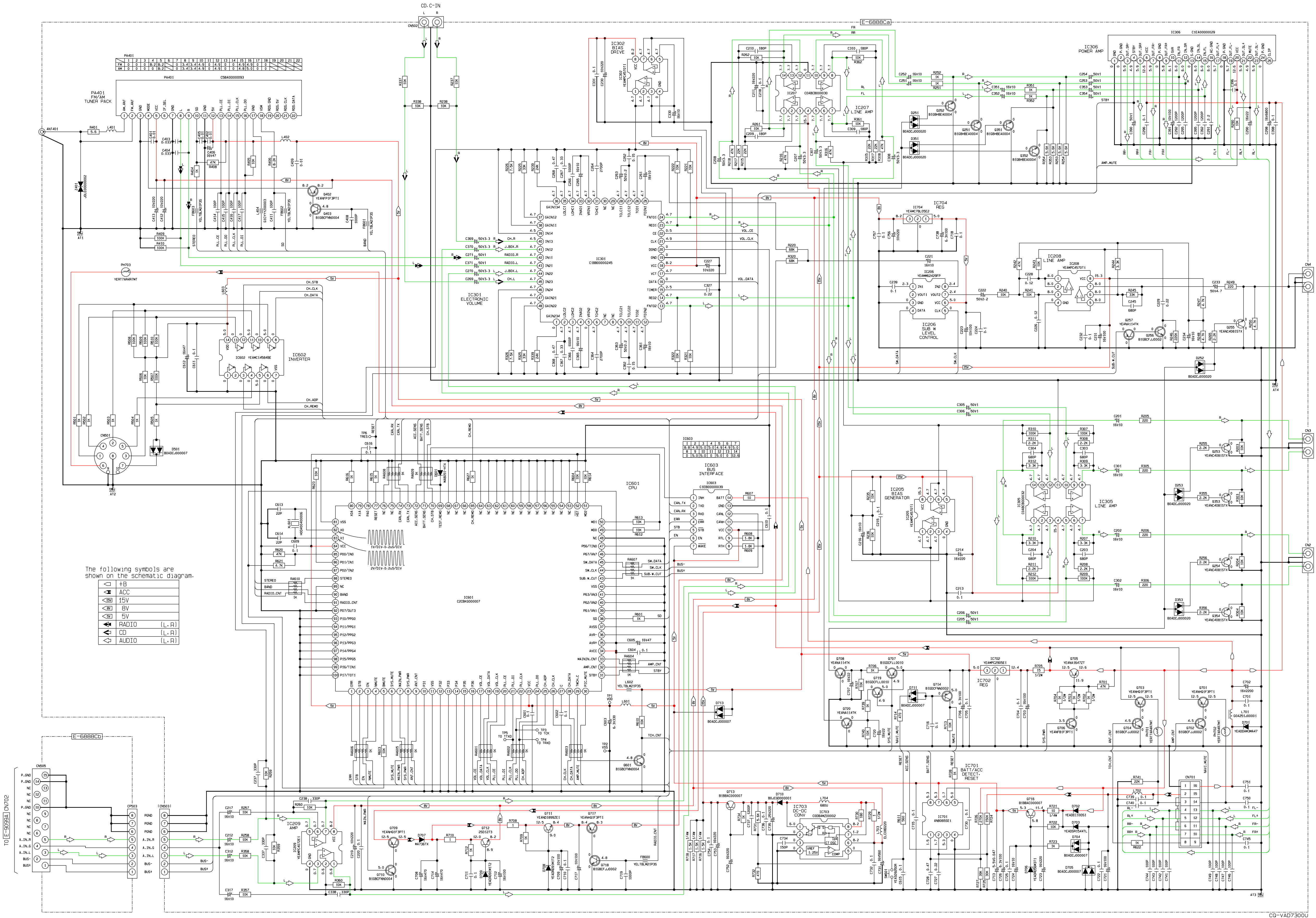
24.4. Sub Block


E-9146Db
IC401
DC/DC
CONVERTOR
CONTROL
IC401
YEAMMB3775FP
1 CT
2 RT
3 IN1+
4 IN1-
5 FB1
6 DTC1
7 OUT1
8 E/GND
16 VREF
15 SCP
14 IN2+
13 IN2-
12 FB2
11 DTC2
10 OUT2
9 VCC
1.6
1.2
1.3
1.3
1.5
0.4
3.6
0
1.3
0
1.3
1.3
1.8
0.7
9.1
12.4
C408 1
R407 33K
R414 33K
C417 1
C418 0.01
R417 15K
VR401 4.7K
R419 3.3K
R420 120K
Q405
B1GDCFJJ0025
0
12.9
12.4
R421 0.33
R422 1.8K
R423 22
C419 0.1
12.6
12.4
Q406
2SD0601AHR
12.2
Q407
YEANA1647ZKT
D403
YEADAN202UTX
R424 560 1/4W
C420
R425 10
R405 0.33 1/2W
R408 1.8K
R406 22
12.3
11.7
8.7
Q403
2SD0601AHR
C407 0.1
R412 330 1/4W
R413 330 1/4W
12.5
12.4
0
Q401
B1GDCFJJ0025
12.4
11.9
8.7
Q402
YEANA1647ZKT
R403 120K
D402
YEADAN202UTX
R409 560 1/4W
R402 4.7K
R404 4.7K
L401
C401 0.01
R401 1.8K
8V
C402 16V4.7
C404 16V4.7
C405 16V330
C406 16V4.7
D401 B0JCGD000001
R410 15K
C409 680P
R411 10K
C410 0.1
C411 16V100
0
5.0
12.5
12.4
Q404
YEANFMC5KTX
C413 16V10
C414 1
R415 39K
C415 0.1
R416 15K
C416 2.2
8V
CN401
TO
E-9146Da
CN702
MONI_CONT
5V
TO
E-9146Da
CN405
CN402
SYS5V
5V
MB
NECK_SW
KEY4
CSYNC
VSYNC
CLAMP_HD
POL
BLACK
VCOM
PWM
I2C_DATA
DGND
I2C_CLK
MA
MC
PULSE_IN
MONI_CONT
VGND
R
VGND
G
VGND
B
HSYNC
+3.3V
+5V
+17V
DIMSENS
R
G
B
5V
17V

The following symbols are shown on the schematic diagram.

◁	+B
◁17V	17V
◁8V	8V
◁5V	5V
◁3.3V	3.3V
◁-15V	-15V
◁◁	VISUAL

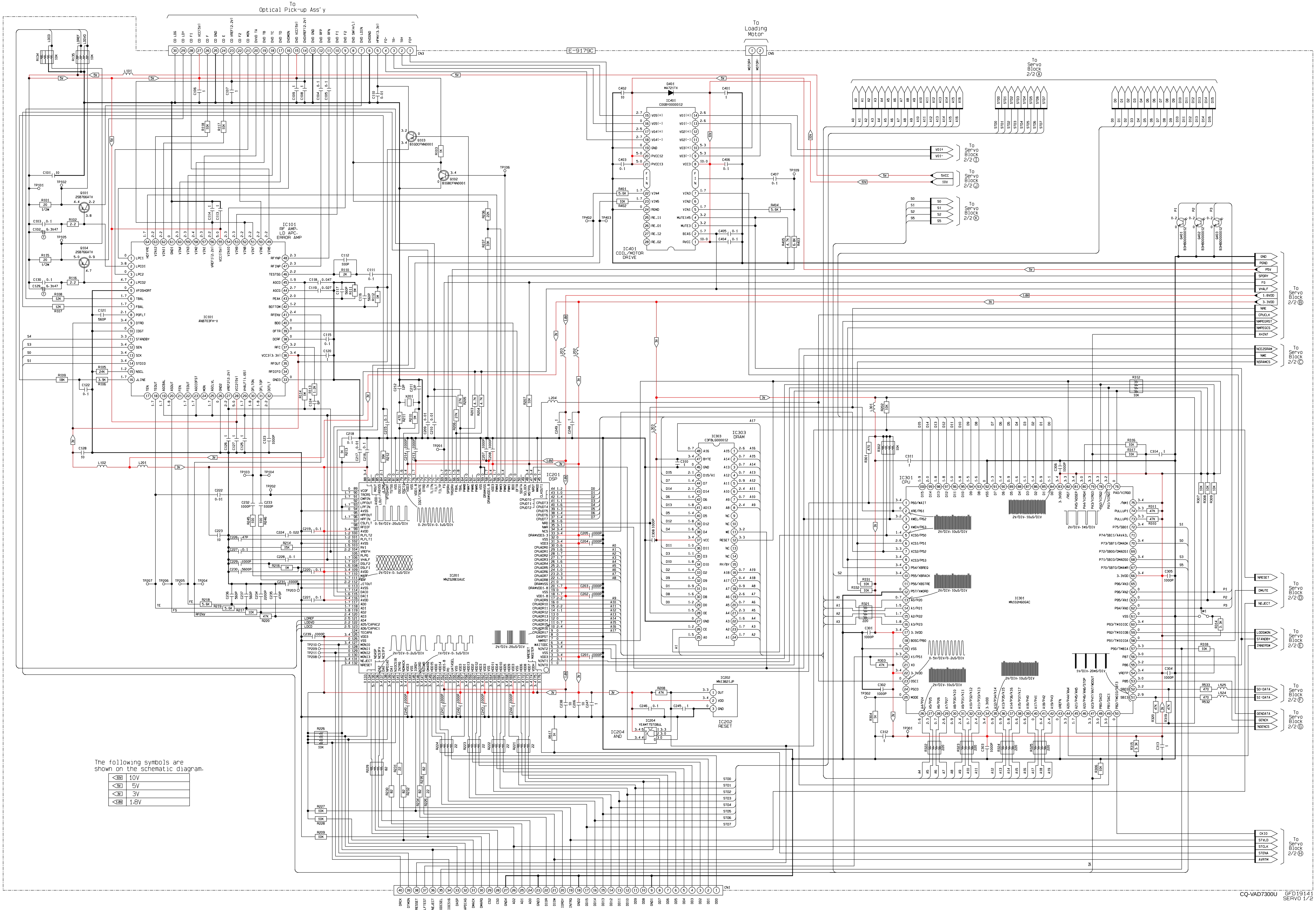

E-9146Db
D411
YEADSS14VZ
L411
YELTH4N470KT
+3.3V
3.3V
C431 6.3V100
C432 0.1
C433 0.1
C434 6.3V100
D412
YEADSS14VZ
L412
G1C101K00011
+17V
17V
C435 25V33
C436 0.1
C437 0.1
C438 25V33
D413
YEADSS14VZ
L413
G1C101K00011
+5V
5V
C439 6.3V47
C440 0.1
C441 0.1
C442 6.3V47
D414
YEADSS14VZ
L414
YELT03N221JT
C443 16V47
C444 0.1
C445 0.1
C446 16V47
-15V
Q411
2SD0601AHR
-15.0
-15.0
-14.4
C447
16V47
R431
10K
R432
22K
T401
ETJ11K108AM
Q405
B1GDCFJJ0025
R420
120K
R421
0.33
1/2W
R422
1.8K
R423
22
C419
0.1
Q406
2SD0601AHR
Q407
YEANA1647ZKT
D403
YEADAN202UTX
R424
560
1/4W
C421
16V4.7
C423
16V4.7
C420
2200P
R425
10
VR401
CN403
MA
MB
MC
PULSE_IN
NECK_SW
I2C_CLK
I2C_DATA
VSYNC
CLAMP_HD
HSYNC
KEY4
POL
BLACK
VCOM
DIMSENS
PWM
40 MA
39 MB
38 MC
37 SYS5V
36 PULSE_IN
35 NECK_SW
34 SW12
33 SW12
32 PGND
31 PGND
30 I2C_SCL
29 I2C_SDA
28 V_GND
27 VSYNC
26 CLAMP_HD
25 HSYNC
24 C_SYNC
23 V_GND
22 R
21 G
20 B
19 V_GND
18 KEY
17 POL
16 BLK
15 VCOM
14 D_GND
13 DIMSENS
12 PWM
11 P_GND
10 P_GND
9 +17V
8 +5V
7 -15V
6 +3.3V
5 SYS_5V
4 BL_GND
3 BL_GND
2 BL_8V
1 BL_8V
8V
To Slide Mechanism ASS'Y
TO E-9145Aa CN901
CQ-VAD7300U
SUB


CD.C-IN
CN502
E-6888Ca
E-6888Cb
PA401
C5BA00000093
PA401 FM/AM TUNER PACK
ANT401
IC302 BIAS DRIVE
IC207 LINE AMP
IC306 POWER AMP
IC306 C1EA00000029
IC704 REG
IC301 ELECTRONIC VOLUME
IC301 C1BB00000245
IC208 LINE AMP
IC206 SUB W LEVEL CONTROL
SUB-W (MONO)
CN4
IC602 INVERTER
IC602 YEAMC14584BE
CN501
IC603 BUS INTERFACE
IC603 C1EB00000039
IC601 CPU
IC601 C2CBKG000007
IC205 BIAS GENERATOR
IC305 LINE AMP
CN3
PRE-OUT FRONT
CN2
PRE-OUT REAR
IC702 REG
IC703 DC-DC CONV
IC701 BATT/ACC DETECT·RESET
IC209 AMP
CN505
CP503
CN503
CN701
TO E-9099A CN702
1V/DIV·0.2μS/DIV
2V/DIV·0.2μS/DIV
AT1
AT2
AT3
AT4

The following symbols are shown on the schematic diagram.

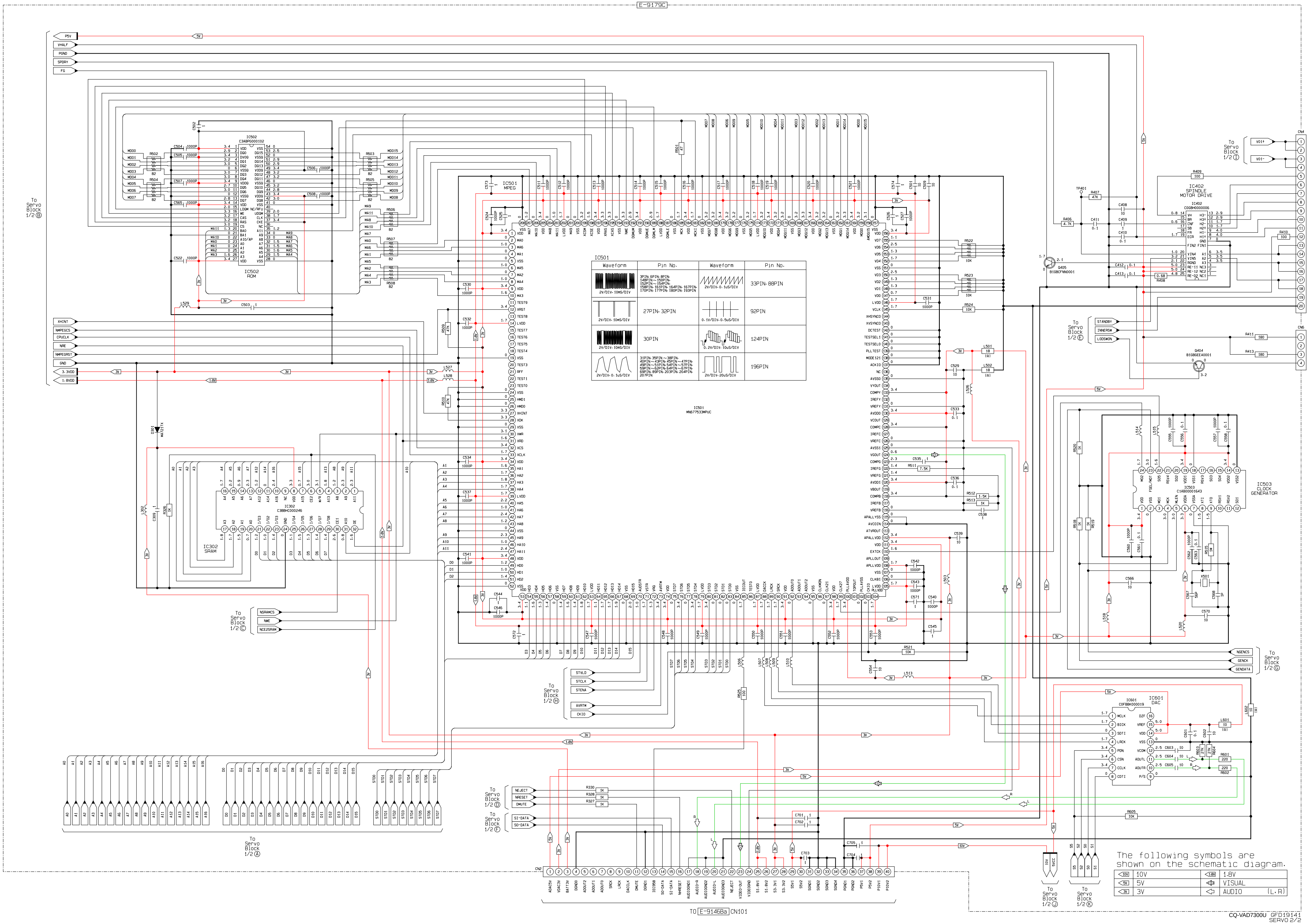
◁	+B
◁	ACC
◁15V	15V
◁8V	8V
◁5V	5V
⇦	RADIO (L,R)
⇦	CD (L,R)
⇦	AUDIO (L,R)

CQ-VAD7300U
AMP


To Optical Pick-up Ass'y
E-9179C
CN3
To Loading Motor
CN5
To Servo Block 2/2 Ⓐ
To Servo Block 2/2 Ⓘ
To Servo Block 2/2 Ⓙ
To Servo Block 2/2 Ⓚ
To Servo Block 2/2 Ⓑ
To Servo Block 2/2 Ⓒ
To Servo Block 2/2 Ⓓ
To Servo Block 2/2 Ⓔ
To Servo Block 2/2 Ⓕ
To Servo Block 2/2 Ⓖ
To Servo Block 2/2 Ⓗ
IC101 RF AMP, LD APC, ERROR AMP
IC101 AN8703FH-V
IC401 COIL/MOTOR DRIVE
IC401 C0GBY0000012
IC201 DSP
IC201 MN2S2BEGAUC
IC303 DRAM
IC303 C3FBLG000012
IC301 CPU
IC301 MN102H60GAC
IC202 RESET
IC202 MN13821JP
IC204 AND
IC204 YEAM17ST0BUL
Q101 2SB766ATX
Q104 2SB766ATX
Q102 B1GDCFNN0001
Q103 B1GDCFNN0001
D401 MA721TX
CN1

The following symbols are shown on the schematic diagram.

10V	10V
5V	5V
3V	3V
1.8V	1.8V


E-9179C
IC502
C3ABPG000102
ROM
IC501
MPEG
MN677533MPUC
IC302
C3EBHC000246
SRAM
IC402
C0GBH0000006
SPINDLE
MOTOR DRIVE
IC503
C1AB00001643
CLOCK
GENERATOR
IC601
C0FBBK000019
DAC
Q405
B1GBCFNN0001
Q404
B1GBGEEA0001
D301
MA727TX
CN4
To Spindle/Traverse Motor Ass'y
CN6
To LED Ass'y
CN2
TO E-9146Ba CN101
To Servo Block 1/2 Ⓐ
To Servo Block 1/2 Ⓑ
To Servo Block 1/2 Ⓒ
To Servo Block 1/2 Ⓓ
To Servo Block 1/2 Ⓔ
To Servo Block 1/2 Ⓕ
To Servo Block 1/2 Ⓖ
To Servo Block 1/2 Ⓗ
To Servo Block 1/2 Ⓘ
To Servo Block 1/2 Ⓙ
To Servo Block 1/2 Ⓚ
P5V
VHALF
PGND
SPDRY
FG
XHINT
NMPEGCS
CPUCLK
NRE
NMPEGRST
GND
3.3VDD
1.8VDD
STANDBY
INNERSW
LODSWON
NSRAMCS
NWE
NCE2SRAM
STVLD
STCLK
STENA
AVRTM
CKIO
NEJECT
NRESET
DMUTE
SI-DATA
SO-DATA
NGENCS
GENCK
GENDATA

IC501

Waveform	Pin No.	Waveform	Pin No.
2V/DIV. 10mS/DIV	3PIN. 6PIN. 8PIN. 148PIN～150PIN. 152PIN～154PIN. 158PIN. 161PIN. 164PIN. 167PIN. 170PIN. 177PIN. 180PIN. 193PIN	2V/DIV. 0. 1uS/DIV	33PIN. 88PIN
2V/DIV. 10mS/DIV	27PIN. 32PIN	0. 1V/DIV. 0. 5uS/DIV	92PIN
2V/DIV. 10mS/DIV	30PIN	0. 2V/DIV. 10uS/DIV	124PIN
2V/DIV. 0. 1uS/DIV	31PIN. 35PIN ～38PIN. 40PIN～43PIN. 45PIN～47PIN. 49PIN～51PIN. 54PIN～57PIN. 59PIN～62PIN. 64PIN～67PIN. 69PIN. 89PIN. 203PIN. 204PIN. 207PIN	2V/DIV. 20uS/DIV	196PIN

The following symbols are shown on the schematic diagram.

10V	10V	1.8V	1.8V
5V	5V	⇐	VISUAL
3V	3V	⇦	AUDIO (L, R)

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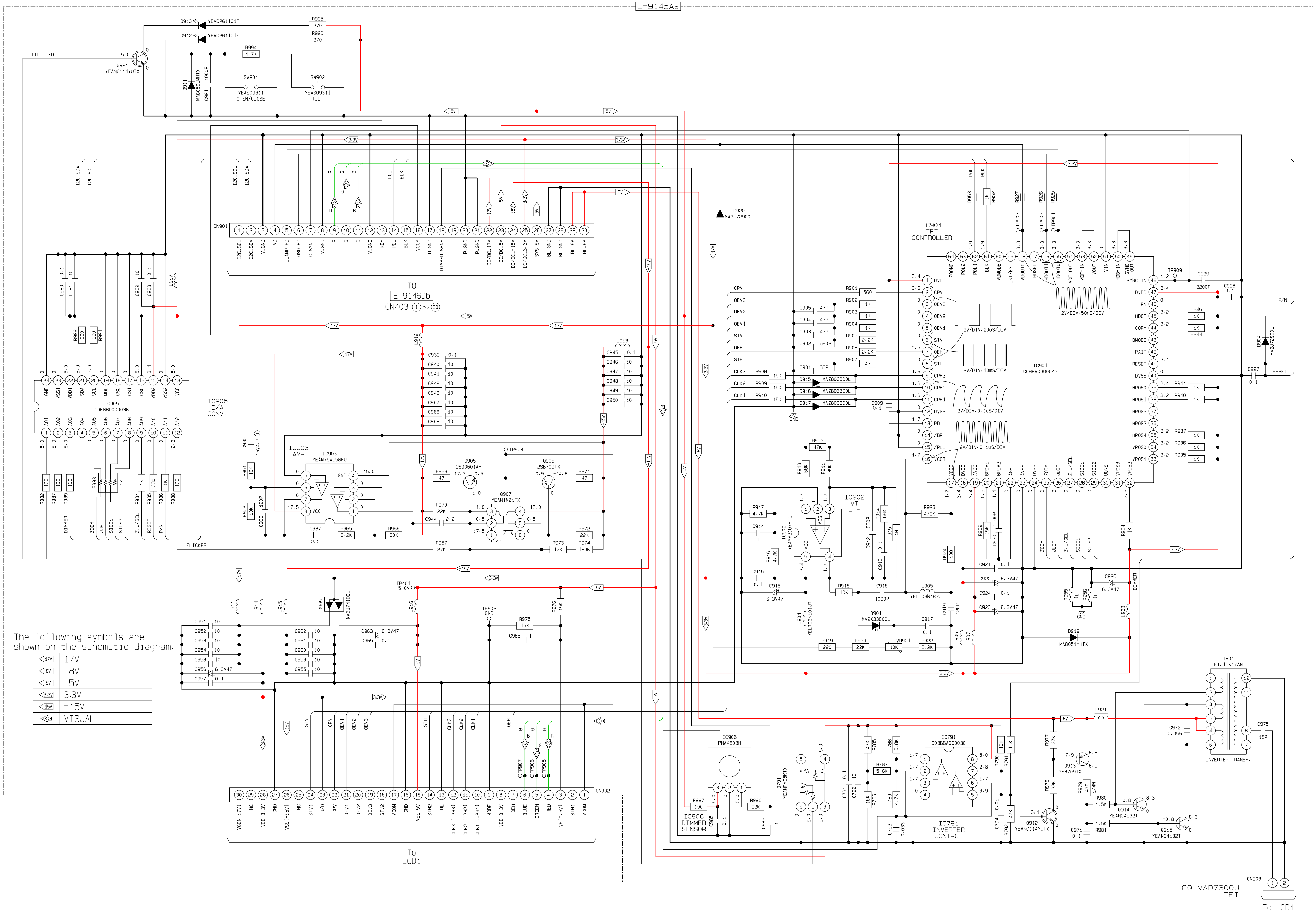
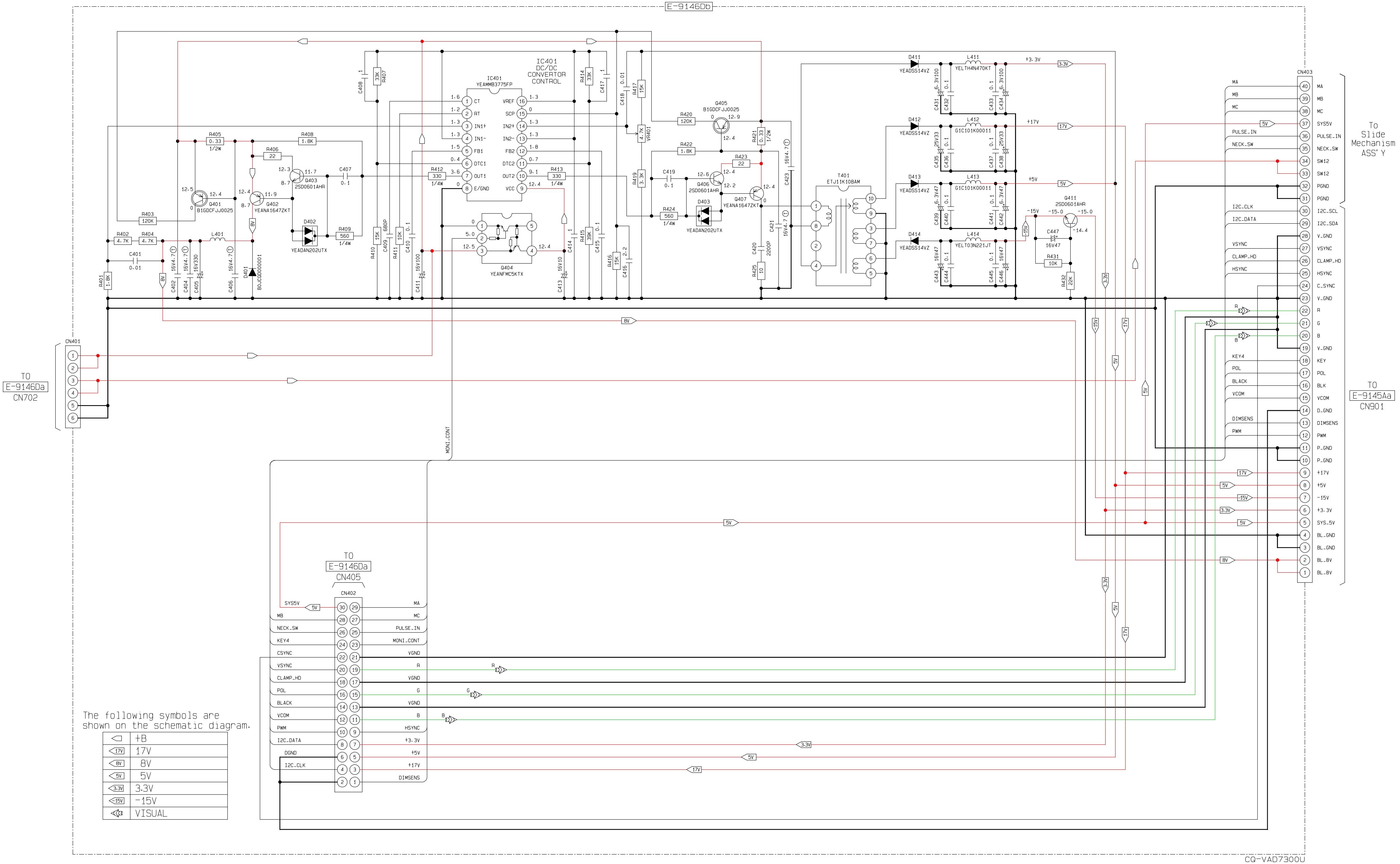

E-9145Aa
TILT_LED
Q921 YEANC114YUTX
D913 YEADPG1101F
D912 YEADPG1101F
R995 270
R996 270
R994 4.7K
D911 MA8056LMHTX
C991 1000P
SW901 YEAS09311 OPEN/CLOSE
SW902 YEAS09311 TILT
CN901
I2C.SCL
I2C.SDA
V.GND
VD
CLAMP_HD
OSD_HD
C.SYNC
V.GND
R
G
B
V.GND
KEY
POL
BLK
VCOM
D.GND
DIMMER.SENS
P.GND
P.GND
DC/DC.17V
DC/DC.5V
DC/DC.-15V
DC/DC.3.3V
SYS.5V
BL.GND
BL.GND
BL.8V
BL.8V
TO
E-9146Db
CN403 ①～㉚
IC905 D/A CONV.
IC905 C0FBBD000038
IC903 AMP
IC903 YEAM75W558FU
Q905 2SD0601AHR
Q906 2SB709TX
Q907 YEANIMZ1TX
TP904
D920 MA2J72900L
IC901 TFT CONTROLLER
IC901 C0HBA0000042
CPV
OEV3
OEV2
OEV1
STV
OEH
STH
CLK3
CLK2
CLK1
D915 MAZ80330OL
D916 MAZ80330OL
D917 MAZ80330OL
2V/DIV. 20uS/DIV
2V/DIV. 10mS/DIV
2V/DIV. 0.1uS/DIV
2V/DIV. 0.1uS/DIV
2V/DIV. 50nS/DIV
TP909
TP901
TP902
TP903
SYNC-IN
DVDD
PN
HDOT
COPY
DMODE
PAIR
RESET
DVSS
HPOS0
HPOS1
HPOS2
HPOS3
HPOS4
VPOS0
VPOS1
D904 MA2J72900L
P/N
RESET
IC902 VT LPF
IC902 YEAMM2107FT1
L905 YELT03N1R2JT
D901 MA2X33800L
VR901
D919 MA8051-HTX
C926 6.3V47
T901 ETJ15K17AM
INVERTER_TRANSF.
L921
IC906 PNA4603H
IC906 DIMMER SENSOR
Q791 YEANFMC5KTX
IC791 C0BBBA000030
IC791 INVERTER CONTROL
Q913 2SB709TX
Q912 YEANC114YUTX
Q914 YEANC4132T
Q915 YEANC4132T
TP401 5.0V
TP908 GND
D905 MA3J741D0L
L911
L914
L915
L916
TP905
TP906
TP907
CN902
VGON(17V)
NC
VDD 3.3V
GND
VSSI(-15V)
NC
STV1
U/D
CPV
OEV1
OEV2
OEV3
STV2
VCOM
GND
VEE 5V
STH2
RL
CLK3(CPH3)
CLK2(CPH2)
CLK1(CPH1)
MODE
VDD 3.3V
OEH
BLUE
GREEN
RED
VB(2.5V)
STH1
VCOM
To LCD1
CN903
To LCD1
CQ-VAD7300U TFT

The following symbols are shown on the schematic diagram.

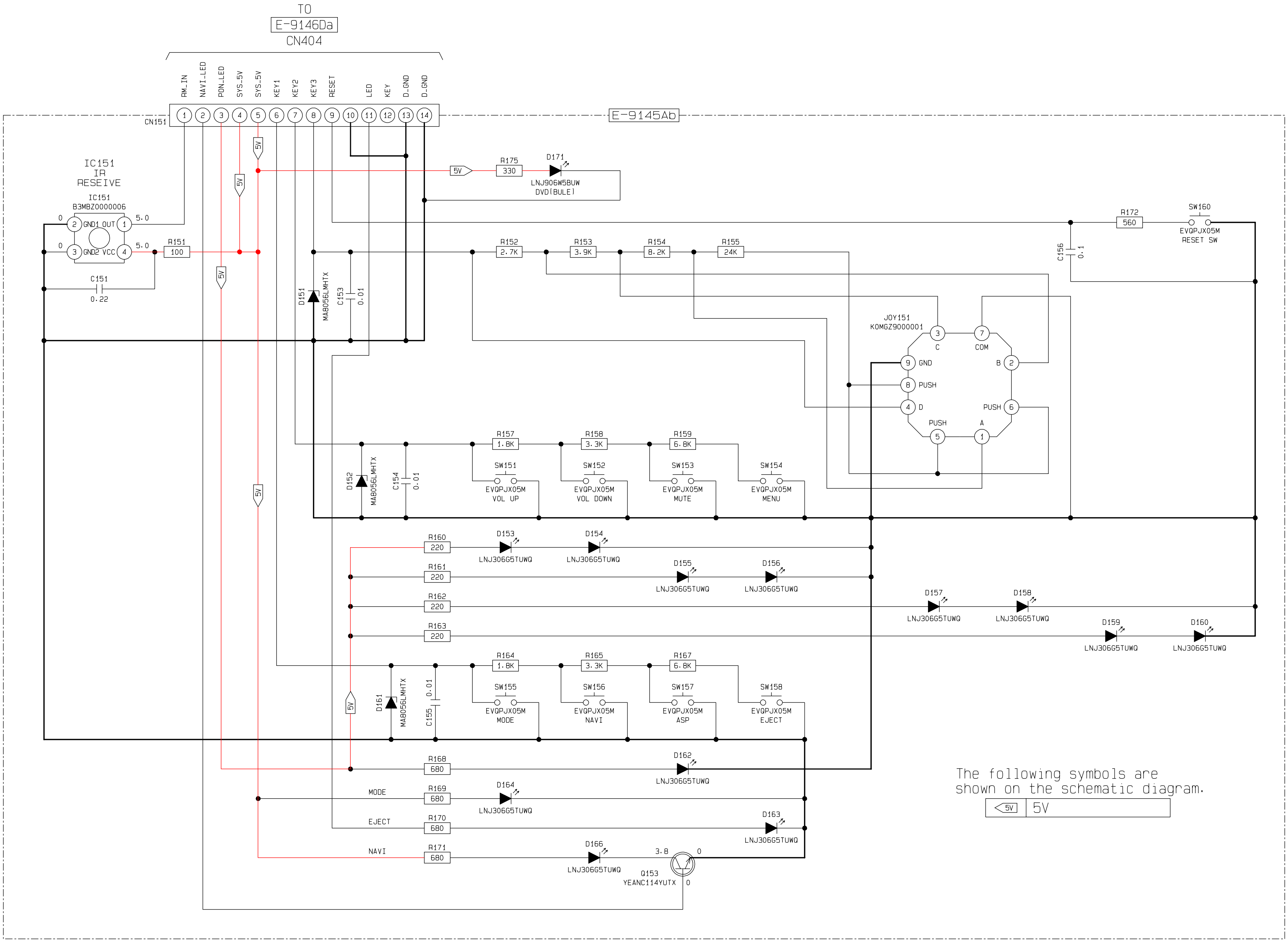
◁17V	17V
◁8V	8V
◁5V	5V
◁3.3V	3.3V
◁15V	-15V
◁	VISUAL


E-9146Db
IC401
DC/DC
CONVERTOR
CONTROL
IC401
YEAMMB3775FP
CT
RT
IN1+
IN1-
FB1
DTC1
OUT1
E/GND
VREF
SCP
IN2+
IN2-
FB2
DTC2
OUT2
VCC
Q401
B1GDCFJJ0025
Q402
YEANA1647ZKT
Q403
2SD0601AHR
Q404
YEANFMC5KTX
Q405
B1GDCFJJ0025
Q406
2SD0601AHR
Q407
YEANA1647ZKT
Q411
2SD0601AHR
D401
B0JCQD000001
D402
YEADAN202UTX
D403
YEADAN202UTX
D411
D412
D413
D414
YEADSS14VZ
L401
L411
YELTH4N470KT
L412
G1C101K00011
L413
G1C101K00011
L414
YELT03N221JT
T401
ETJ11K10BAM
VR401
CN401
CN402
CN403
TO
E-9146Da
CN702
TO
E-9146Da
CN405
To
Slide
Mechanism
ASS'Y
TO
E-9145Aa
CN901
MONI_CONT
+3.3V
+17V
+5V
-15V
MA
MB
MC
SYS5V
PULSE_IN
NECK_SW
SW12
PGND
I2C_SCL
I2C_SDA
I2C_CLK
I2C_DATA
V_GND
VSYNC
CLAMP_HD
HSYNC
C_SYNC
R
G
B
KEY4
KEY
POL
BLACK
BLK
VCOM
D_GND
DIMSENS
PWM
P_GND
+17V
+5V
-15V
+3.3V
SYS_5V
BL_GND
BL_BV
CSYNC
VGND
DGND

The following symbols are shown on the schematic diagram.

◁	+B
◁17V	17V
◁8V	8V
◁5V	5V
◁3.3V	3.3V
◁15V	-15V
⊲⊳	VISUAL

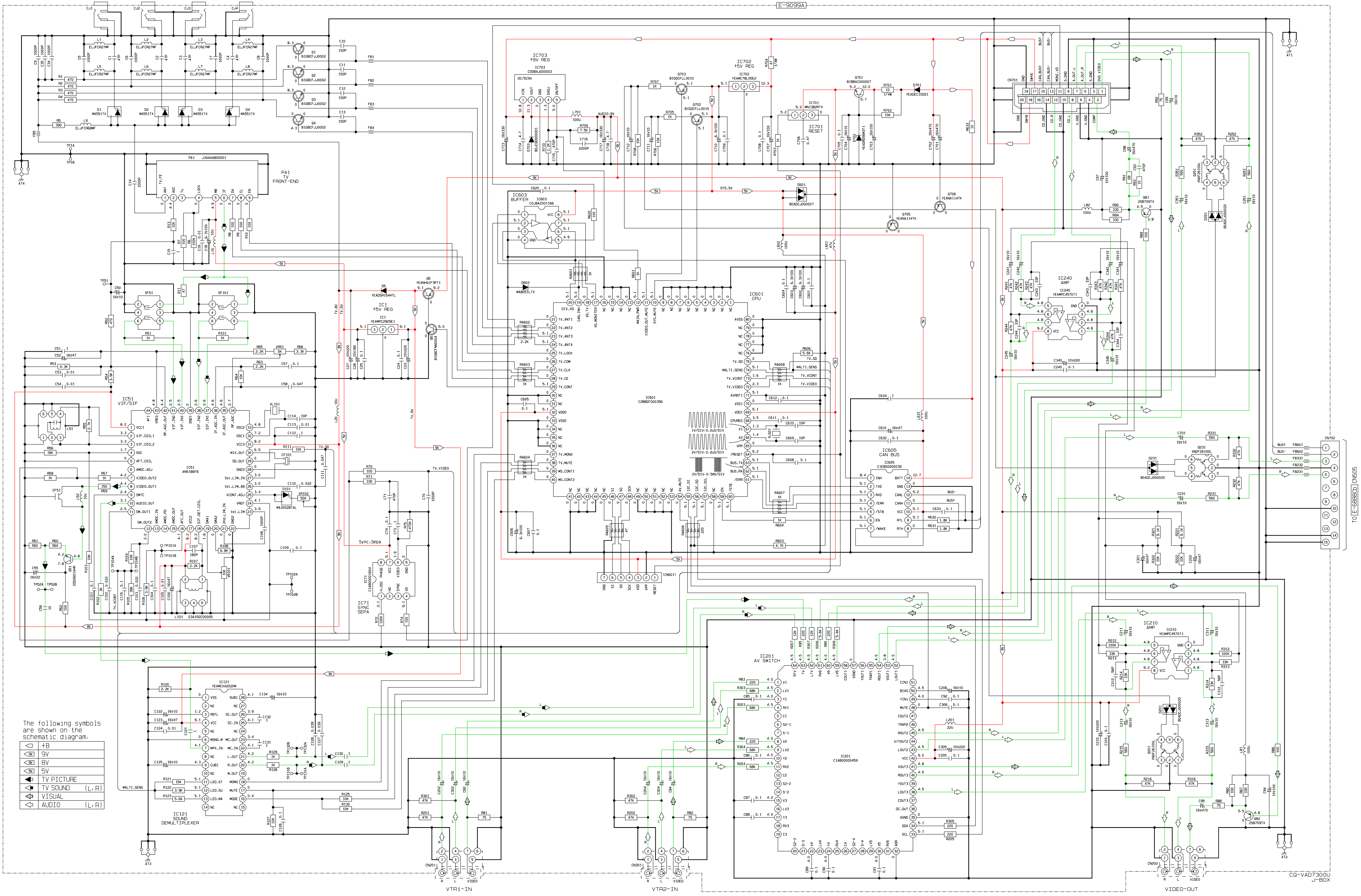
CQ-VAD7300U
SUB


TO
E-9146Da
CN404
RM_IN
NAVI_LED
PON_LED
SYS_5V
SYS_5V
KEY1
KEY2
KEY3
RESET
LED
KEY
D_GND
D_GND
CN151
E-9145Ab
IC151
IR
RESEIVE
IC151
B3MBZ0000006
GND1 OUT
GND2 VCC
5.0
5.0
0
0
R151
100
C151
0.22
5V
R175
330
D171
LNJ906W5BUW
DVD(BULE)
D151
MA8056LMHTX
C153
0.01
R152
2.7K
R153
3.9K
R154
8.2K
R155
24K
R172
560
SW160
EVQPJX05M
RESET SW
C156
0.1
JOY151
KOMGZ9000001
C
COM
GND
B
PUSH
D
PUSH
PUSH
A
R157
1.8K
R158
3.3K
R159
6.8K
SW151
EVQPJX05M
VOL UP
SW152
EVQPJX05M
VOL DOWN
SW153
EVQPJX05M
MUTE
SW154
EVQPJX05M
MENU
D152
MA8056LMHTX
C154
0.01
R160
220
R161
220
R162
220
R163
220
D153
D154
D155
D156
D157
D158
D159
D160
LNJ306G5TUWQ
R164
1.8K
R165
3.3K
R167
6.8K
SW155
EVQPJX05M
MODE
SW156
EVQPJX05M
NAVI
SW157
EVQPJX05M
ASP
SW158
EVQPJX05M
EJECT
D161
MA8056LMHTX
C155
0.01
R168
680
D162
MODE
R169
680
D164
EJECT
R170
680
D163
NAVI
R171
680
D166
3.8
0
0
Q153
YEANC114YUTX

The following symbols are shown on the schematic diagram.

5V	5V

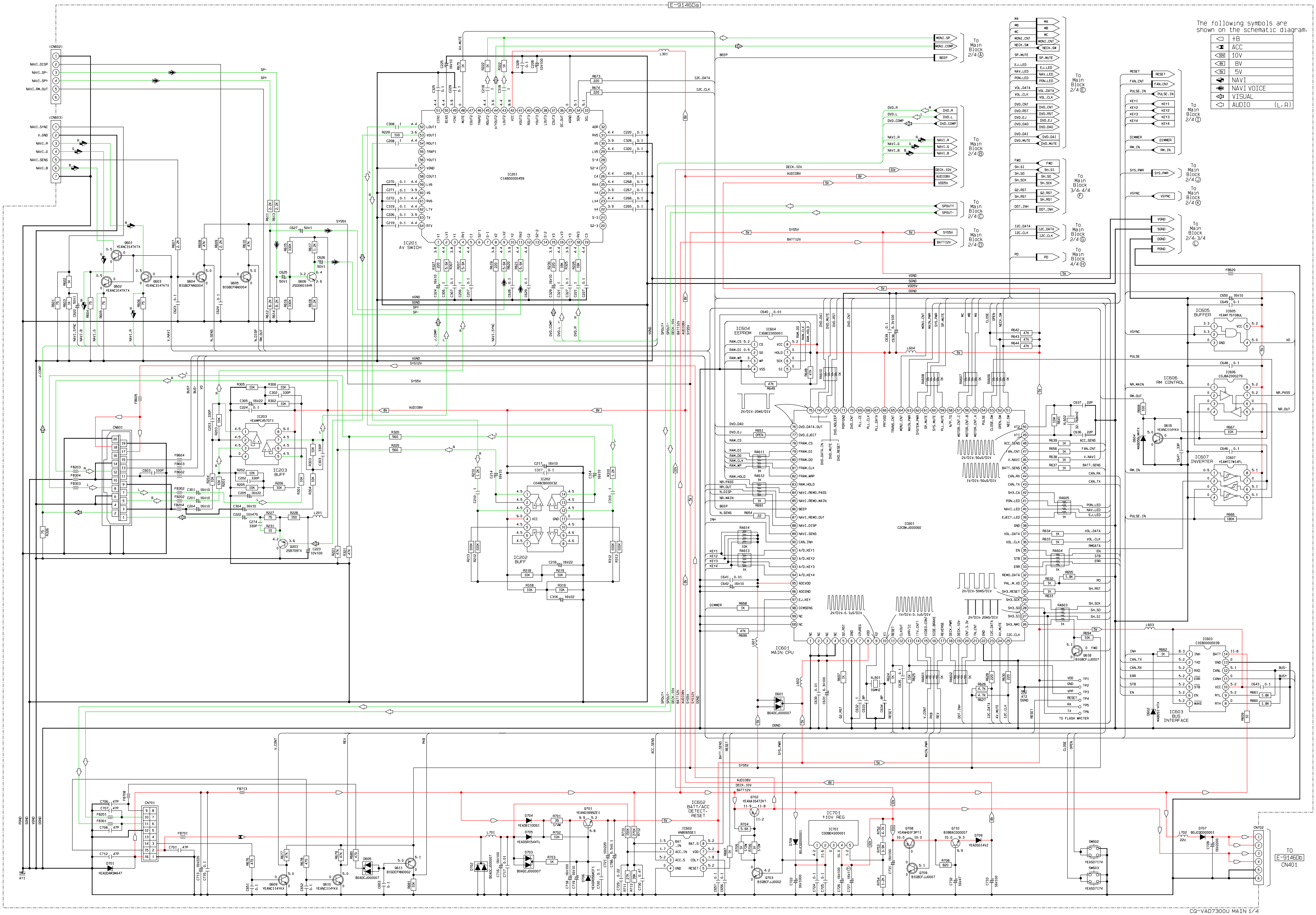
CQ-VAD7300U
SW


E-9099A
CJ1
CJ2
CJ3
CJ4
AT1
AT2
AT3
AT4
IC703
+9V REG
C0DBAJG00002
IC702
+5V REG
YEAMC78L05E2
IC701
RESET
MN1382RTX
Q701
B1BBAC000007
Q702
B1GDCFLL0010
Q703
B1GDCFLL0010
D701
YEADEC1OD51
D601
B0ADCJ000007
Q705
YEANA114TK
Q706
YEANA114TK
CN701
PA1
TV
FRONT-END
J3AAA4B00001
IC603
BUFFER
C0JBAZ001166
IC1
+5V REG
YEAMPC2905E1
D5
YEADSR1544TL
Q5
YEANHQ1F3PT1
Q6
B1GBCFNN0004
D602
MA8051LTX
IC601
CPU
C2BBGF000356
IC51
VIF/SIF
AN5185FB
SF51
SF101
CF51
CF101
D101
MA3X028TAL
VR102
XL101
Q51
2SD601AHR
L101
G3A1RZC00005
IC71
SYNC
SEPA
C1AB00001604
Sync.Sepa
IC605
CAN BUS
C1EB00000039
IC240
AMP
YEAMPC4570T1
Q231
XN0F2610DL
Q251
XN0F2610DL
D231
B0ADCJ000020
D251
B0ADCJ000020
Q81
2SB709TX
CN702
TO E-6880U CN505
IC121
SOUND
DEMULTIPLEXER
YEAMCXA2020M
IC201
AV SWITCH
C1AB00000459
IC210
AMP
YEAMPC4570T1
Q201
XN0F2610DL
D201
B0ADCJ000020
Q82
2SB709TX
CN201
CN301
CN202
VTR1-IN
VTR2-IN
VIDEO-OUT
1V/DIV-0.2μS/DIV
2V/DIV-0.2μS/DIV
2V/DIV-0.5mS/DIV
9V
8V
5V
SYS.5V
TV.VIDEO
MALTI.SENS

The following symbols are shown on the schematic diagram.

[+B]	+B
[9V]	9V
[8V]	8V
[5V]	5V
◀	TV PICTURE
◁	TV SOUND (L.R)
◈	VISUAL
◁	AUDIO (L.R)

CQ-VAD7300U
J-BOX

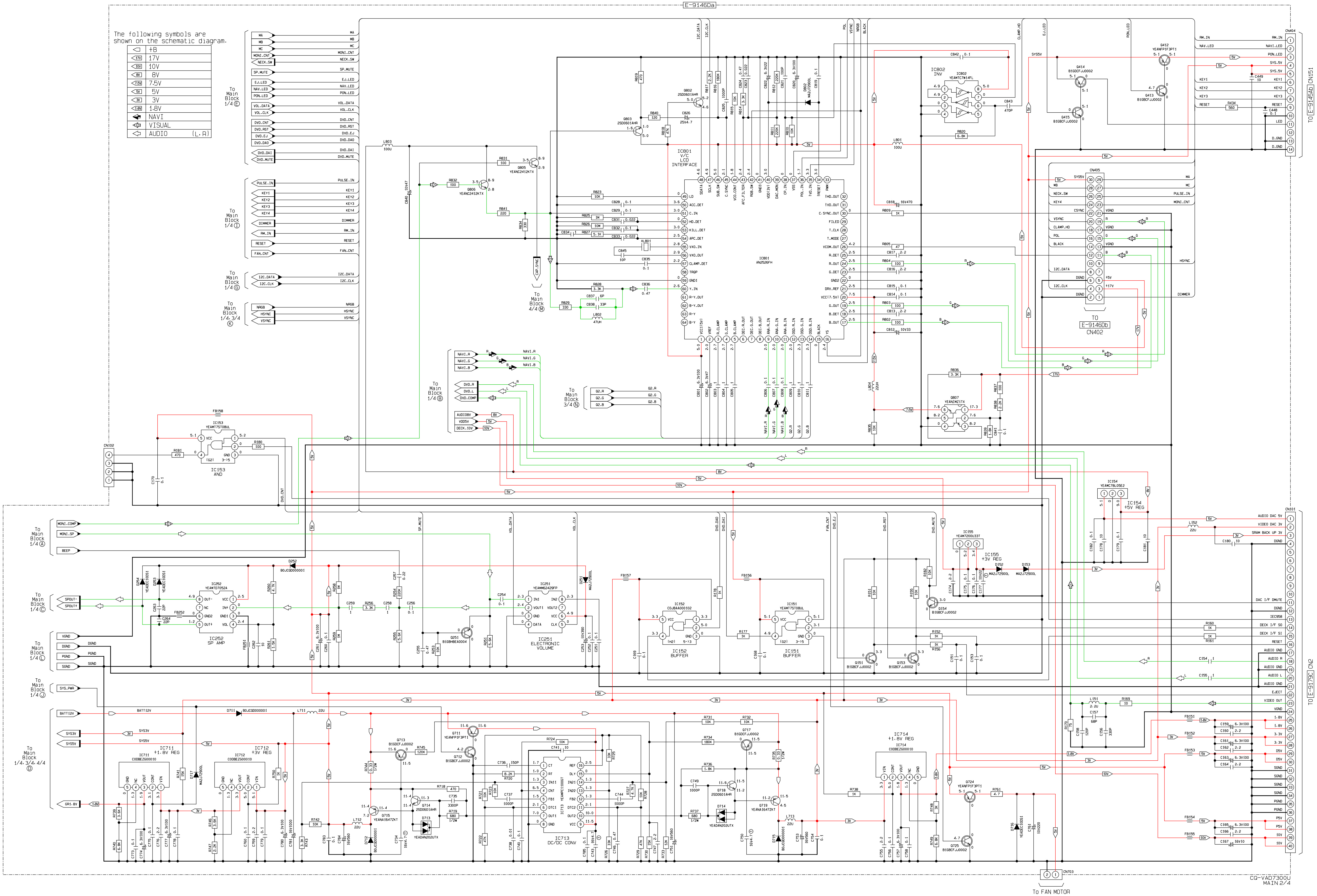

E-9146Da
CN602
NAVI.DISP
NAVI.SP-
NAVI.SP+
NAVI.RM.OUT
CN603
NAVI.SYNC
V.GND
NAVI.R
NAVI.G
NAVI.SENS
NAVI.B
IC201
C1AB00000459
IC201
AV SWICH
IC202
C0ABCB000032
IC202
BUFF
IC203
YEAMPC4570T1
IC203
BUFF
CN601
CN701
IC601
C2CBK1000060
IC601
MAIN CPU
IC604
C3GBCC000001
IC604
EEPROM
IC605
YEAMT7S08UL
IC605
BUFFER
IC606
C0JBAZ000279
IC606
RM CONTROL
IC607
YEAMTC7W14FL
IC607
INVERTER
IC603
C1EB00000039
IC603
BUS INTERFACE
IC602
AN8065SE1
IC602
BATT/ACC
DETECT·
RESET
IC701
C0DBEKG00001
IC701
+10V REG
To Main Block 2/4 Ⓐ
To Main Block 2/4 Ⓑ
To Main Block 2/4 Ⓒ
To Main Block 2/4 Ⓓ
To Main Block 2/4 Ⓔ
To Main Block 3/4,4/4 Ⓕ
To Main Block 2/4 Ⓖ
To Main Block 4/4 Ⓗ
To Main Block 2/4 Ⓘ
To Main Block 2/4 Ⓙ
To Main Block 2/4 Ⓚ
To Main Block 2/4,3/4 Ⓛ
TO FLASH WRITER
TO E-9146Db CN401
SW602
SW603
XL601 16MHz
X601 32.768kHz
2V/DIV·20mS/DIV
2V/DIV·50uS/DIV
1V/DIV·50uS/DIV
2V/DIV·0.1uS/DIV
1V/DIV·0.1uS/DIV
2V/DIV·50mS/DIV
2V/DIV·20mS/DIV

The following symbols are shown on the schematic diagram.

◁	+B
◁	ACC
◁10V	10V
◁8V	8V
◁5V	5V
◀	NAVI
◀	NAVI VOICE
◀	VISUAL
⇦	AUDIO (L,R)

The following symbols are shown on the schematic diagram.

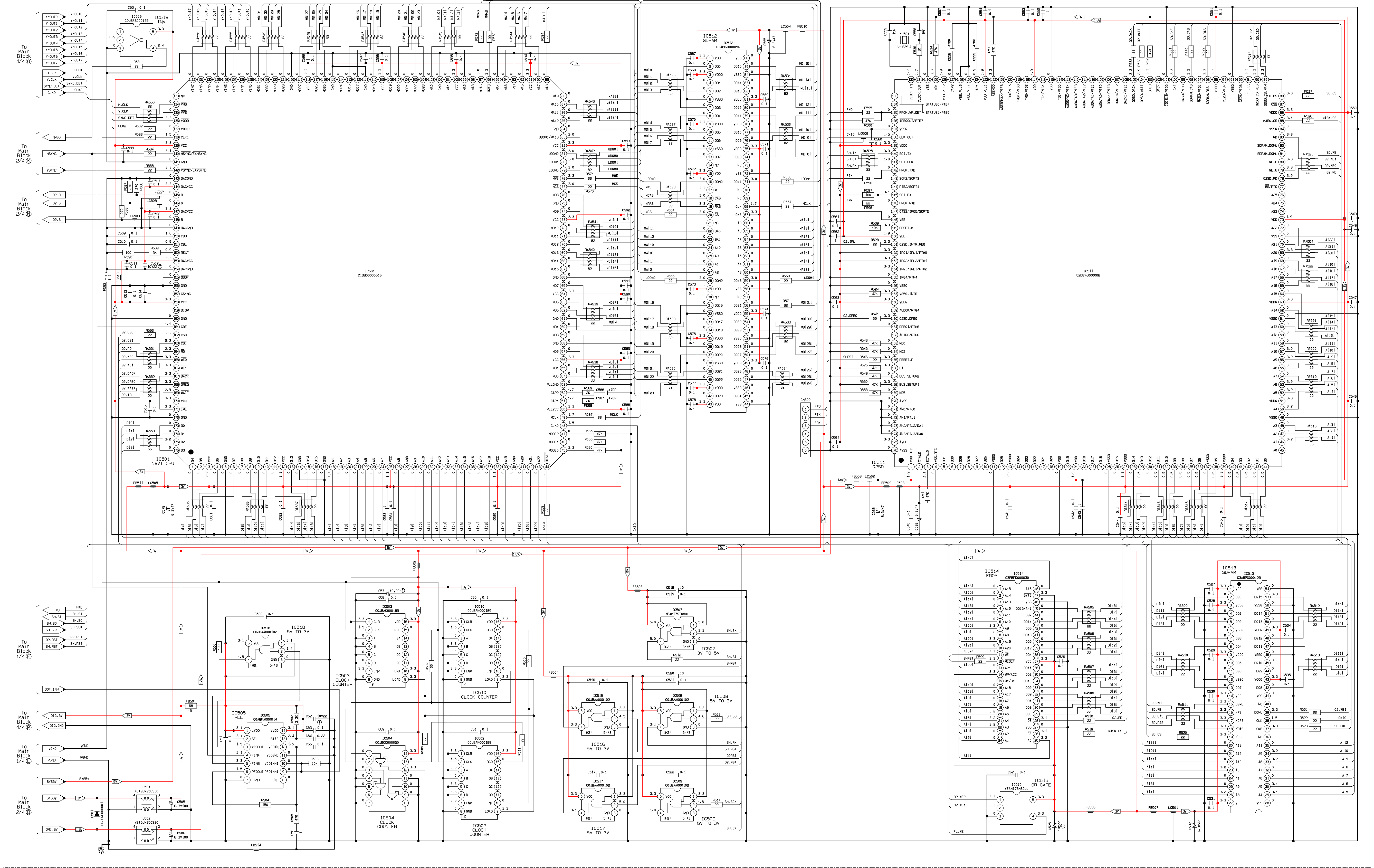
◁	+B
17V	17V
10V	10V
8V	8V
7.5V	7.5V
5V	5V
3V	3V
1.8V	1.8V
◀	NAVI
◁	VISUAL
◁	AUDIO (L.R)

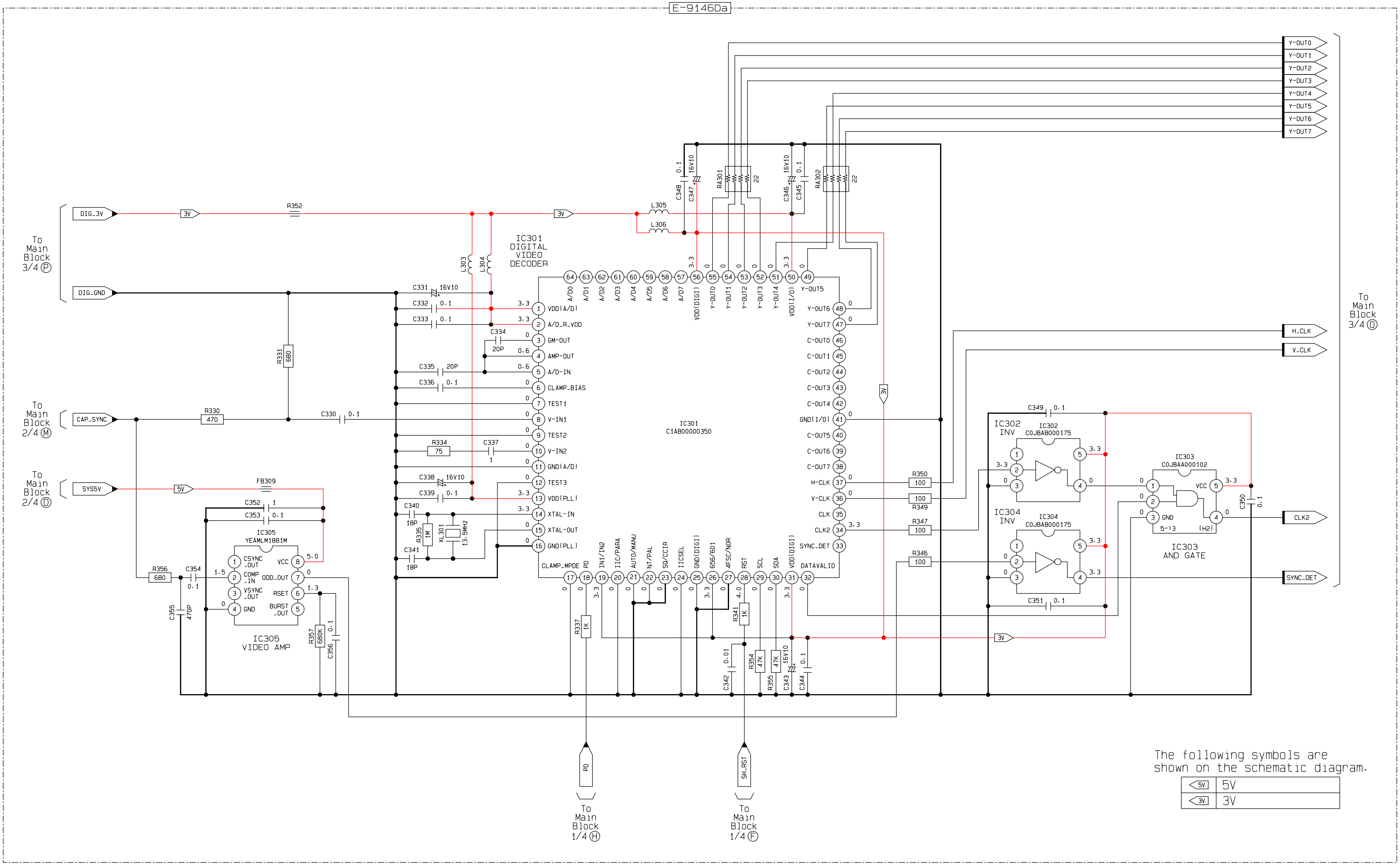


E-9146Da
To Main Block 1/4 Ⓔ
To Main Block 1/4 Ⓘ
To Main Block 1/4 Ⓖ
To Main Block 1/4, 3/4 Ⓚ
To Main Block 4/4 Ⓜ
To Main Block 1/4 Ⓑ
To Main Block 3/4 Ⓝ
To Main Block 1/4 Ⓐ
To Main Block 1/4 Ⓒ
To Main Block 1/4 Ⓛ
To Main Block 1/4 Ⓙ
To Main Block 1/4, 3/4, 4/4 Ⓗ
IC801 V/C LCD INTERFACE
IC801 AN2526FH
IC802 INV YEAMTC7W14FL
Q802 2SD0601AHR
Q803 2SD0601AHR
Q805 YEANC2412KTX
Q806 YEANC2412KTX
Q807 YEANIMZ1TX
Q412 YEANFP1F3PT1
Q413 B1GBCFJJ0002
Q414 B1GDCFJJ0002
Q415 B1GBCFJJ0002
CN404
TO E-9145Ab CN151
CN405
TO E-9146Db CN402
CN102
IC153 YEAMT7S08UL
IC153 AND
IC154 YEAMC78L05E2
IC154 +5V REG
IC155 YEAMT200U33T
IC155 +3V REG
IC252 YEAMTD7052A
IC252 SP AMP
IC251 YEAMM62429FP
IC251 ELECTRONIC VOLUME
IC152 C0JBAA000102
IC152 BUFFER
IC151 YEAMT7S08UL
IC151 BUFFER
Q251 B1GBHBEA0004
Q151 B1GBCFJJ0002
Q153 B1GBCFJJ0002
Q154 B1GBCFJJ0002
CN101
TO E-9179C CN2
IC711 +1.8V REG
IC711 C0DBEZG00010
IC712 +3V REG
IC712 C0DBEZG00010
IC713 YEAMPC1000T
IC713 DC/DC CONV
IC714 +1.8V REG
IC714 C0DBEZG00010
Q711 YEANFP1F3PT1
Q712 B1GBCFJJ0002
Q713 B1GDCFJJ0002
Q714 2SD0601AHR
Q715 YEANA1647ZKT
Q717 B1GDCFJJ0002
Q718 2SD0601AHR
Q719 YEANA1647ZKT
Q724 YEANFP1F3PT1
Q725 B1GBCFJJ0002
CN703
To FAN MOTOR
MONI.COMP
MONI.SP
BEEP
SPOUT-
SPOUT+
VGND
DGND
PGND
SGND
SYS.PWR
BATT12V
SYS3V
SYS5V
GR1.8V
AUDIO DAC 5V
VIDEO DAC 3V
SRAM BACK UP 3V
DAC I/F DMUTE
IEC958
DECK I/F SO
DECK I/F SI
RESET
AUDIO GND
AUDIO R
AUDIO L
EJECT
VIDEO OUT

The following symbols are shown on the schematic diagram.

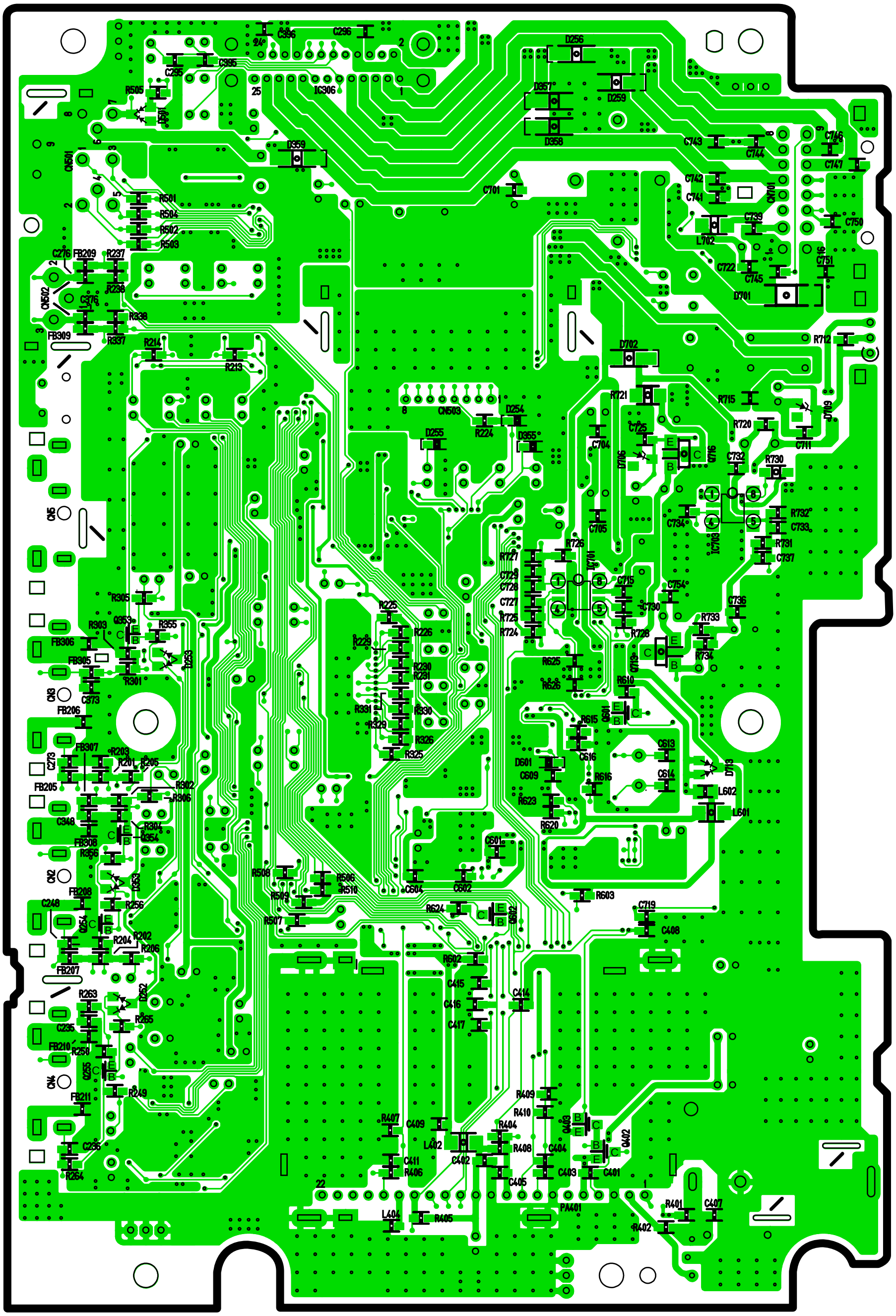
5V	5V	3V	3V	1.8V	1.8V


To Main Block 4/4 Ⓠ
To Main Block 2/4 Ⓚ
To Main Block 2/4 Ⓝ
To Main Block 1/4 Ⓕ
To Main Block 4/4 Ⓟ
To Main Block 1/4 Ⓔ
To Main Block 2/4 Ⓜ
IC519 INV C0JBAB000175
IC501 NAVI CPU C1DB00000516
IC512 SDRAM C3ABPJ000056
IC511 G2SD C2DBYJ000008
IC513 SDRAM C3ABPG000125
IC514 FROM C3FBPD000030
IC515 OR GATE YEAMT7SH32UL
IC518 5V TO 3V C0JBAA000102
IC505 PLL C0ABFA000014
IC503 CLOCK COUNTER C0JBAK000189
IC510 CLOCK COUNTER C0JBAK000189
IC504 CLOCK COUNTER C0JBCC000050
IC502 CLOCK COUNTER C0JBAK000189
IC507 3V TO 5V YEAMT7S08UL
IC516 5V TO 3V C0JBAA000102
IC508 5V TO 3V C0JBAA000102
IC517 5V TO 3V C0JBAA000102
IC509 5V TO 3V C0JBAA000102
XL501 8.25MHZ
CN500
L501 YETGLM250S30
L502 YETGLM250S30

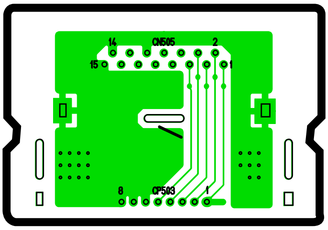

E-9146Da
IC301
DIGITAL
VIDEO
DECODER
IC301
C1AB00000350
IC302
INV
IC302
C0JBAB000175
IC304
INV
IC304
C0JBAB000175
IC303
C0JBAA000102
IC303
AND GATE
IC305
YEAMLM1881M
IC305
VIDEO AMP
Y-OUT0
Y-OUT1
Y-OUT2
Y-OUT3
Y-OUT4
Y-OUT5
Y-OUT6
Y-OUT7
H.CLK
V.CLK
CLK2
SYNC_DET
To Main Block 3/4 Ⓞ
DIG_3V
DIG_GND
To Main Block 3/4 Ⓟ
CAP_SYNC
To Main Block 2/4 Ⓜ
SYS5V
To Main Block 2/4 Ⓓ
PD
To Main Block 1/4 Ⓗ
SH_RST
To Main Block 1/4 Ⓕ
VDD(A/D)
A/D_R_VDD
GM-OUT
AMP-OUT
A/D-IN
CLAMP_BIAS
TEST1
V-IN1
TEST2
V-IN2
GND(A/D)
TEST3
VDD(PLL)
XTAL-IN
XTAL-OUT
GND(PLL)
CLAMP_MPDE
PD
IN1/IN2
IIC/PARA
AUTO/MANU
NT/PAL
SQ/CCIR
IICSEL
GND(DIGI)
656/601
4FSC/NOR
RST
SCL
SDA
VDD(DIGI)
DATAVALID
SYNC_DET
CLK2
CLK
V-CLK
H-CLK
C-OUT7
C-OUT6
C-OUT5
GND(I/O)
C-OUT4
C-OUT3
C-OUT2
C-OUT1
C-OUT0
Y-OUT7
Y-OUT6
Y-OUT5
VDD(I/O)
Y-OUT4
Y-OUT3
Y-OUT2
Y-OUT1
Y-OUT0
VDD(DIGI)
A/D7
A/D6
A/D5
A/D4
A/D3
A/D2
A/D1
A/D0
CSYNC_OUT
COMP_IN
VSYNC_OUT
GND
VCC
ODD_OUT
RSET
BURST_OUT
R352
R331 680
R330 470
R356 680
R357 680K
R334 75
R335 1M
R337 1K
R341 1K
R354 47K
R355 47K
R350 100
R349 100
R347 100
R346 100
RA301 22
RA302 22
L303
L304
L305
L306
FB309
XL301 13.5MHz
C330 0.1
C331 16V10
C332 0.1
C333 0.1
C334 20P
C335 20P
C336 0.1
C337 1
C338 16V10
C339 0.1
C340 18P
C341 18P
C342 0.01
C343 16V10
C344 0.1
C345 0.1
C346 16V10
C347 16V10
C348 0.1
C349 0.1
C350 0.1
C351 0.1
C352 1
C353 0.1
C354 0.1
C355 470P
C356 0.1
3V
5V
5-3
(H2)

The following symbols are shown on the schematic diagram.

5V	5V
3V	3V

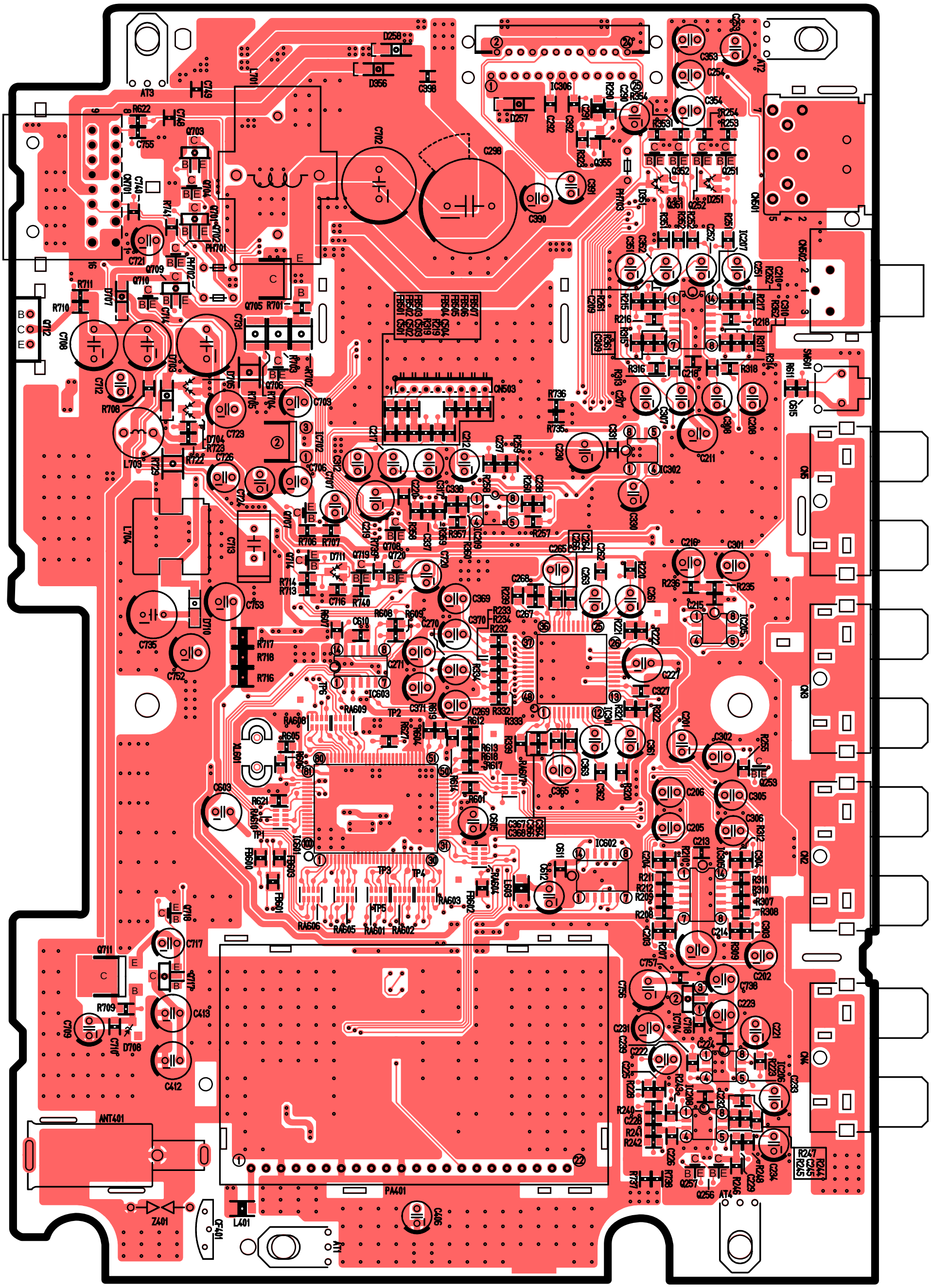

C396
C296
D256
C295
C395
IC306
R505
D357
D259
D358
D359
CN501
R501
R504
R502
R503
C743
C744
C746
C747
C742
C741
CN701
C701
C739
L702
C750
C722
C745
C751
D701
C276
FB209
R237
R238
CN502
C376
R338
FB309
R337
R214
R213
R712
D702
R721
CN503
D254
R224
D255
D355
R715
R720
D719
C704
C725
Q706
D706
C711
C732
R730
C705
C734
IC703
R732
C733
R731
C737
CN5
R726
IC701
R727
C729
C728
C727
R725
R724
C715
C754
C730
C736
R733
R728
R734
Q715
R305
R303
Q353
R355
FB306
FB305
D353
R301
C373
CN3
R225
R226
R229
R230
R231
R331
R330
R329
R326
R325
R625
R626
R610
Q601
R615
C616
D601
C609
R616
C613
C614
D713
L602
L601
FB206
FB307
C273
R203
R201
R205
FB205
R302
R306
C348
R304
Q354
FB308
R356
R623
R620
C601
CN2
D253
FB208
C248
R256
Q254
R202
R204
R206
R508
R509
R506
R510
R507
C604
C602
R624
Q602
R603
C719
C408
FB207
R263
D252
C235
R265
FB210
R250
Q255
CN4
FB211
R249
C236
R264
R602
C415
C416
C417
C414
R409
R410
R407
C409
R404
Q403
R408
Q402
L402
C402
C404
C411
R406
C405
C403
C401
22
L404
R405
PA401
R401
C407
R402

[E-6888Ca][Bottom View]

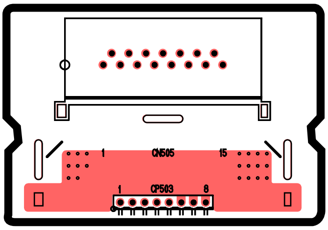

14
CN505
2
15
1
8
CP503
1

[E-6888Cb][Bottom View]

CQ-VAD7300U AMP/JOINT P.C.B

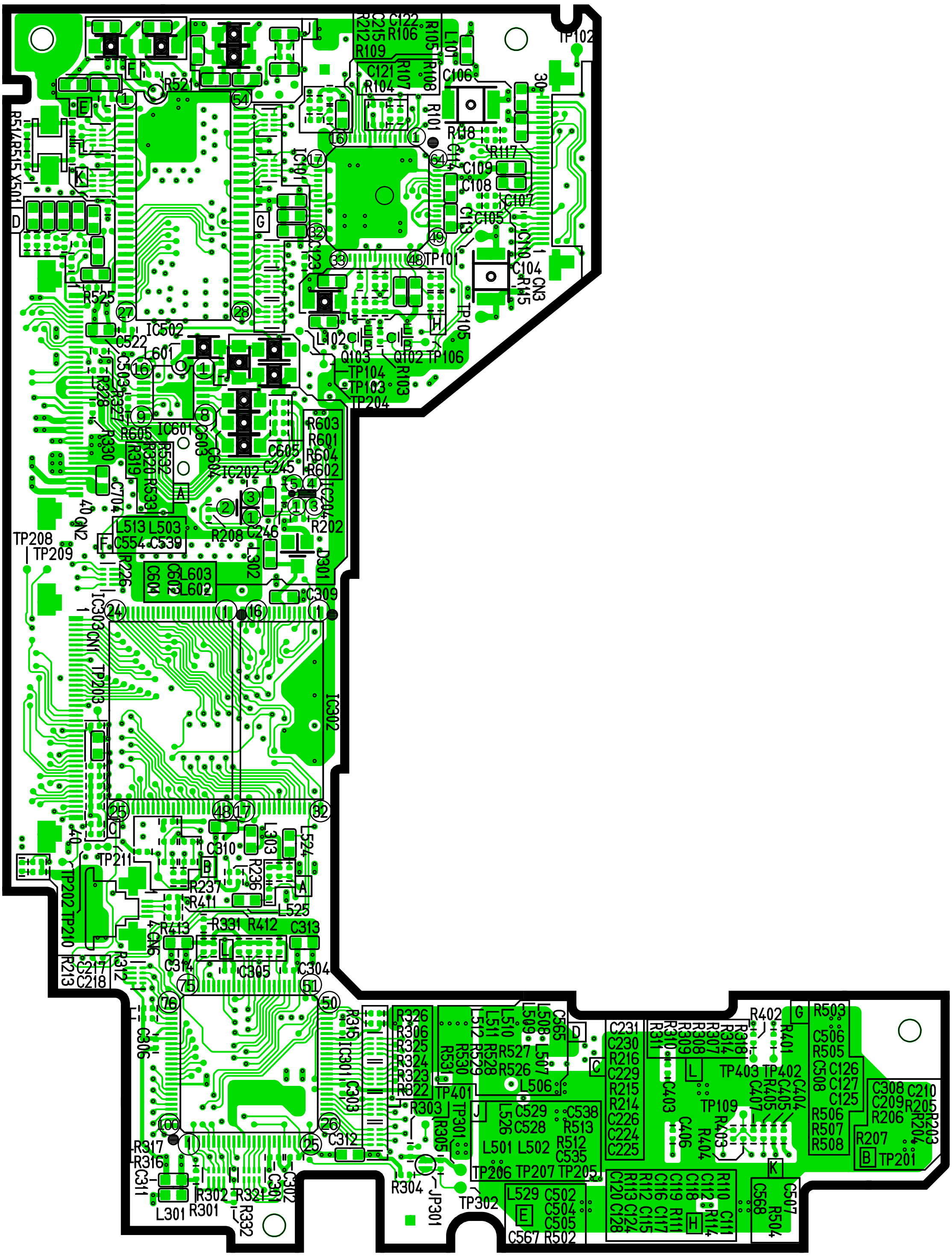

ANT401
PA401
L401
Z401
CP401
AT1
AT3
AT4
AT2
CN601
CN602
CN503
CN5
CN4
CN3
CN2
CN1
IC601
IC603
IC602
IC301
IC302
IC306
C702
C298
L703
L704
XL601
TP1
TP2
TP3
TP4
TP5
TP6

[E-6888Ca] [Top View]

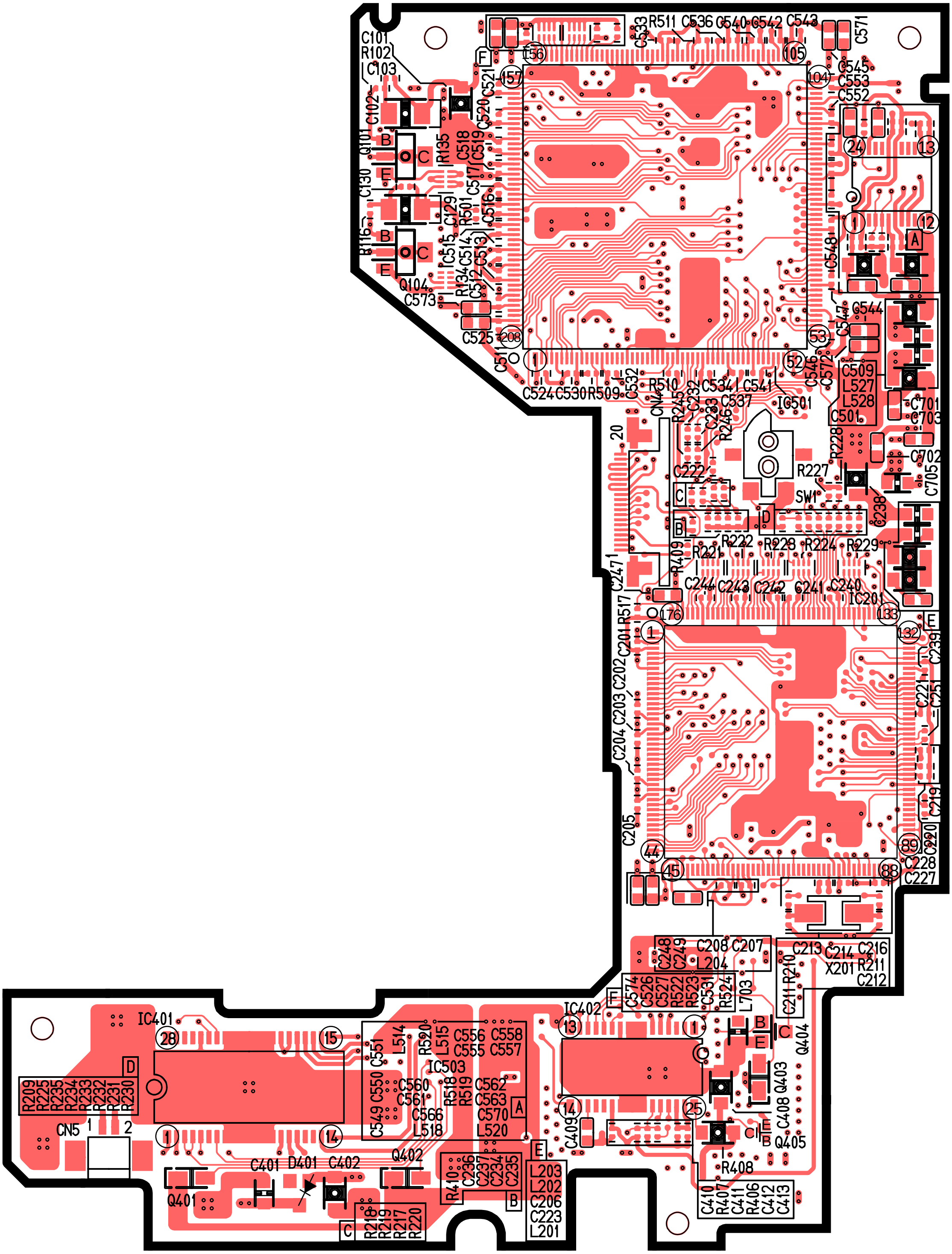

1
CN505
15
1
CP503
8

[E-6888Cb] [Top View]

CQ-VAD7300U AMP/JOINT P.C.B

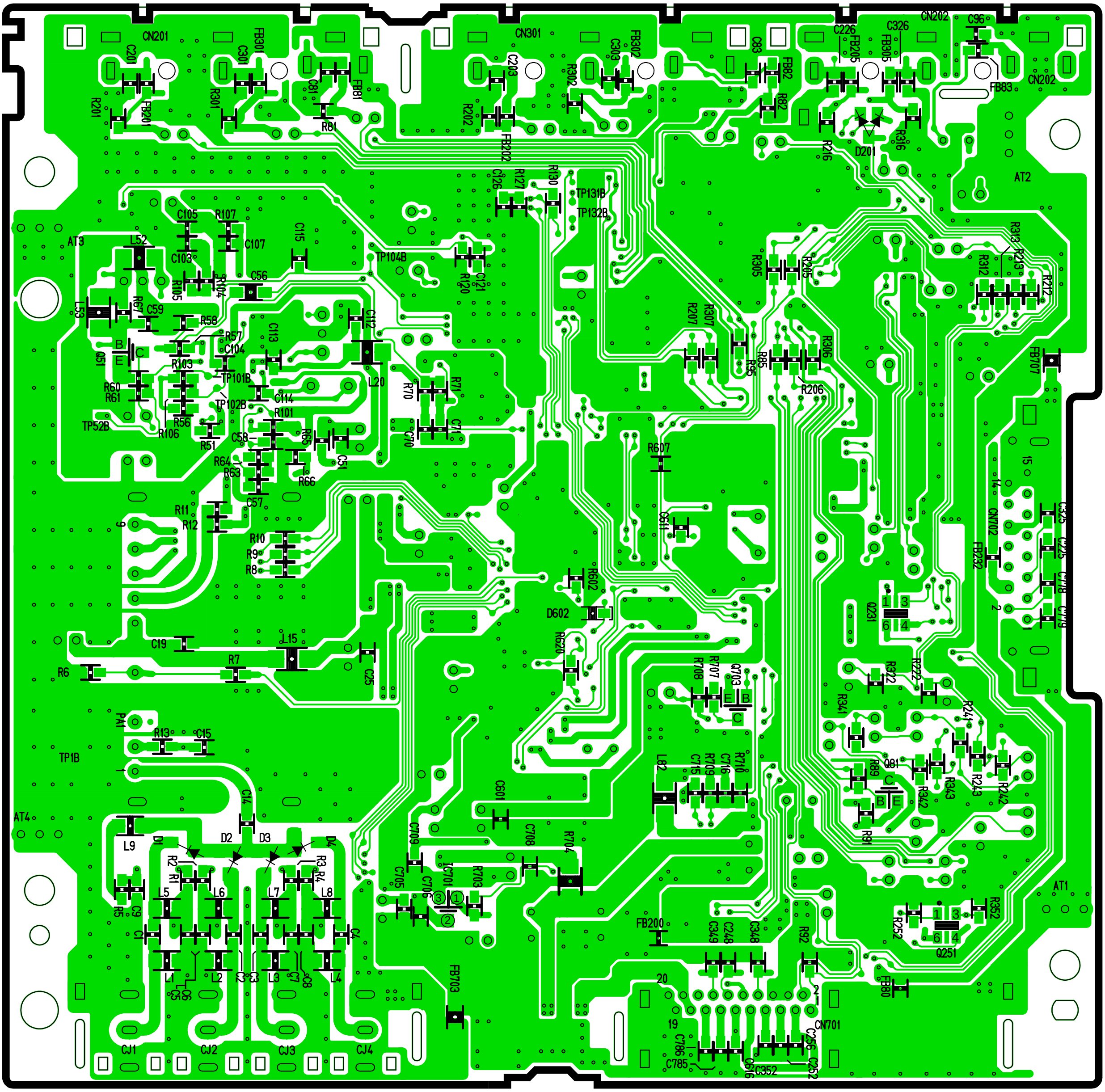

R212
C215
C122
R106
R105
R109
L101
C121
R107
R108
R104
C106
TP102
30
R521
54
R101
R118
R117
R514/R515
X501
E
K
D
G
IC101
17
16
64
C109
C108
C107
C105
C113
C110
C104
R115
CN3
TP101
TP105
1
49
48
33
32
C123
R525
27
28
IC502
C522
L601
C503
R328
R327
R330
R605
IC601
C603
C604
R532
R320
R319
R533
L102
Q103
Q102
TP106
TP104
TP103
TP204
R103
R603
R601
R604
R602
C605
C245
IC202
IC304
R202
C246
R208
D301
L513
L503
C554
C539
TP208
TP209
CN2
C704
40
F
A
R226
L603
L602
C602
C604
L302
C309
24
16
IC303
CN1
TP203
IC302
25
48
17
32
C
B
C310
L303
L524
TP211
R237
R236
R411
L525
TP202
TP210
R413
R331
R412
C313
CN6
C314
IC305
C304
R213
C217
C218
R312
75
51
76
50
C306
R315
IC301
C303
R326
R306
R325
R324
R323
R322
R303
R305
TP301
TP401
J
L512
L511
L510
L509
L508
L507
C565
R531
R530
R529
R528
R527
R526
L506
L526
C529
C528
C538
R513
L501
L502
R512
C535
TP206
TP207
TP205
100
26
1
25
C312
R317
R316
C311
L301
R301
R302
R321
R332
C301
C302
R304
JP301
TP302
L529
C502
C504
C505
C567
R502
E
C231
C230
C216
C229
R215
R214
C226
C224
C225
R311
R310
R309
R308
R307
R314
R318
C403
C406
R404
R403
TP109
TP403
TP402
R405
C405
C407
C404
R402
R401
G
R503
C506
R505
C508
C126
C127
C125
R506
R507
R508
C308
C210
C209
R205
R206
R204
R203
R207
TP201
K
C120
C128
R113
C124
R112
C115
C116
C117
C119
R111
C118
R110
C112
R114
C111
H
C568
C507
R504

[E-9179C][Bottom View]

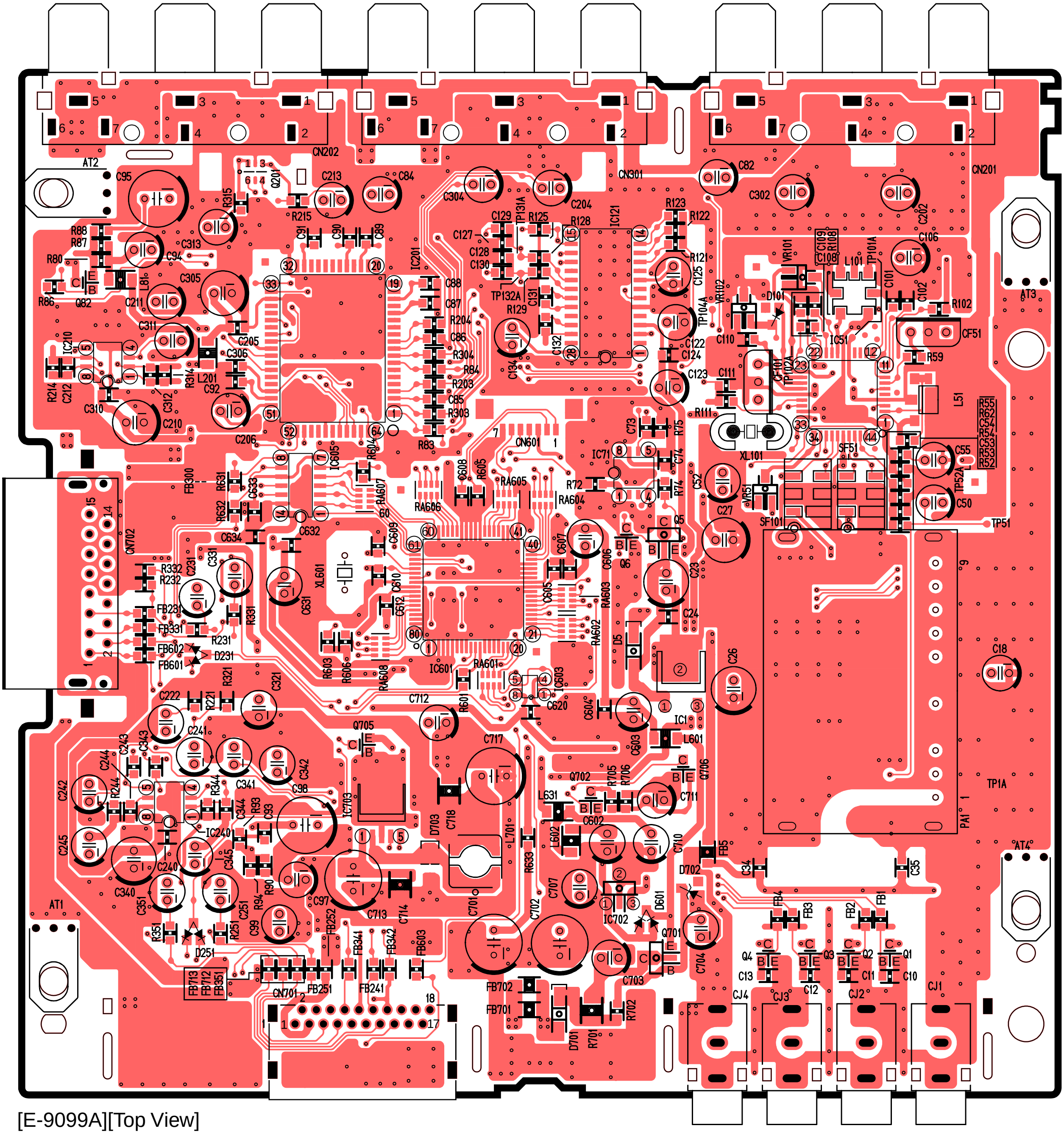

C101
R102
C103
C102
Q101
C130
R116
Q104
C573
R135
C518
C519
C520
C521
C517
C516
C129
R501
C515
C514
C513
C512
R134
C525
C511
C524
C530
R509
C532
R510
C534
C541
C537
IC501
C533
R511
C536
C540
C542
C543
C571
C545
C553
C552
C548
C544
C547
C546
C572
C509
L527
L528
C501
C701
C703
C702
C705
R228
R227
SW1
C238
CN4
R245
C232
C233
R246
C222
R222
R228
R224
R229
R221
R409
C244
C243
C242
C241
C240
IC201
C247
R517
C201
C202
C203
C204
C205
C239
C221
C251
C219
C220
C228
C227
C248
C249
C208
C207
L204
C213
C214
C216
X201
R211
C212
C211
R210
C574
C526
C527
R522
R523
C531
R524
L703
IC402
Q404
Q403
C408
Q405
R408
C410
R407
C411
R406
C412
C413
C409
L203
L202
C206
C223
L201
R410
C236
C237
C234
C235
IC401
R209
R225
R235
R234
R233
R232
R231
R230
CN5
C401
D401
C402
Q402
Q401
R218
R219
R217
R220
C549
C550
C551
L514
R520
L515
C556
C558
C555
C557
IC503
C560
C561
R518
R519
C562
C563
C570
C566
L518
L520
A
B
C
D
E
F
156
105
157
104
208
53
1
52
24
13
12
176
133
132
44
45
88
89
28
15
14
25
20

[E-9179C][Top View]

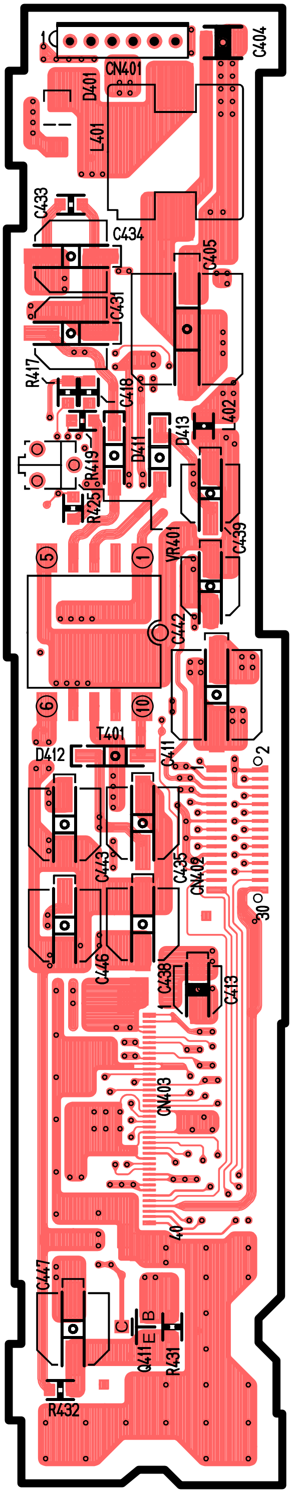
CQ-VAD7300U GFD19141 DECK P.C.B



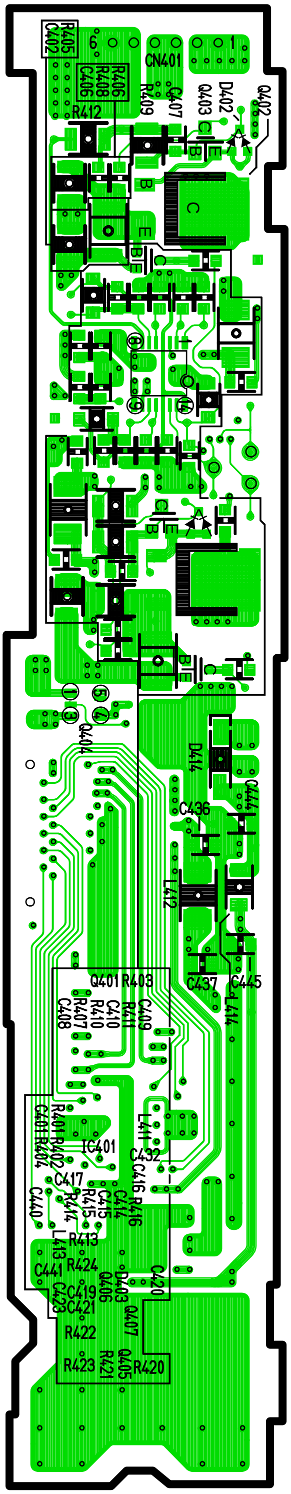
[E-9099A][Bottom View]


CN202
CN301
CN201
AT2
AT3
AT1
AT4
C95
Q201
R315
C213
C84
R215
C304
C204
C82
C302
C202
R88
R87
R80
R86
Q82
C313
C94
C305
C211
L81
C91
C30
C89
IC201
C88
C87
R204
C86
R304
R84
R203
C85
R303
R83
C127
C128
C130
C129
TP131A
R125
R128
IC121
R123
R122
R121
C125
TP132A
R129
C131
C132
C134
C122
C124
C123
TP104A
VR102
C110
C111
R111
XL101
D101
VR101
C109
R108
C108
L101
TP101A
C101
C102
C106
R102
IC51
CF51
R59
CF101
TP102A
L51
R55
R62
C54
R54
C53
R53
R52
SF51
C55
TP52A
C50
TP51
SF101
VR51
C52
C27
C26
C23
C24
C18
IC210
R214
C212
C310
C312
C210
C311
C205
C306
R314
L201
C92
C206
FB300
R631
C633
R632
C634
IC605
R604
C608
R605
RA607
RA606
RA605
R72
RA604
IC71
C73
R75
C74
R74
Q5
Q6
C607
C606
CN601
CN702
R332
R232
C231
C331
FB231
FB331
R331
R231
FB602
D231
FB601
C632
XL601
C631
C609
C610
C612
IC601
C605
RA603
RA602
R603
R606
RA608
RA601
D5
C603
IC603
C620
C604
IC1
L601
R601
C712
Q705
C717
C222
R221
R321
C321
C241
C244
C243
C343
C242
R244
R344
C341
C342
C98
IC240
C344
R93
C93
IC703
C245
C240
C345
C340
C351
R94
R90
C251
C97
C99
R351
D251
R251
FB252
FB341
FB342
FB603
C713
C714
D703
C718
C701
L701
R633
C702
C707
L631
L602
Q702
R705
R706
C602
Q706
C711
C710
FB5
D702
IC702
D601
Q701
C703
C704
C34
C35
FB4
FB3
FB2
FB1
Q4
Q3
Q2
Q1
C13
C12
C11
C10
CJ4
CJ3
CJ2
CJ1
PA1
TP1A
FB713
FB712
FB351
CN701
FB251
FB241
FB702
FB701
D701
R701
R702

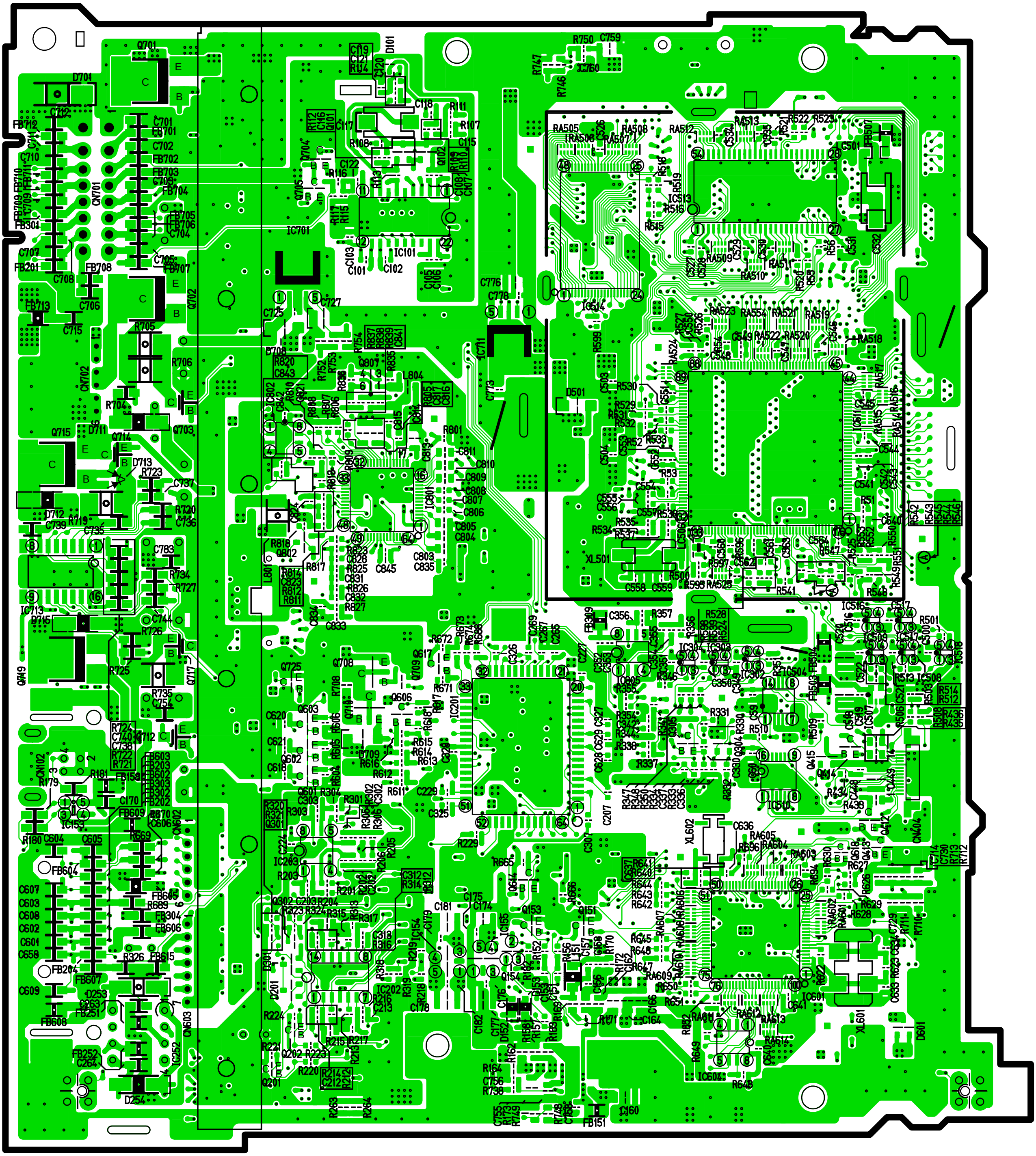
[E-9099A][Top View]


1
CN401
C404
D401
L401
C433
C434
C405
C431
R417
C418
L402
D413
D411
R419
R425
VR401
C439
⑤
①
C442
⑥
⑩
T401
D412
C411
1
2
C443
C435
CN402
30
C446
C438
C413
CN403
40
C447
C
B
Q411
E
R431
R432

[E-9146Db][Top View]

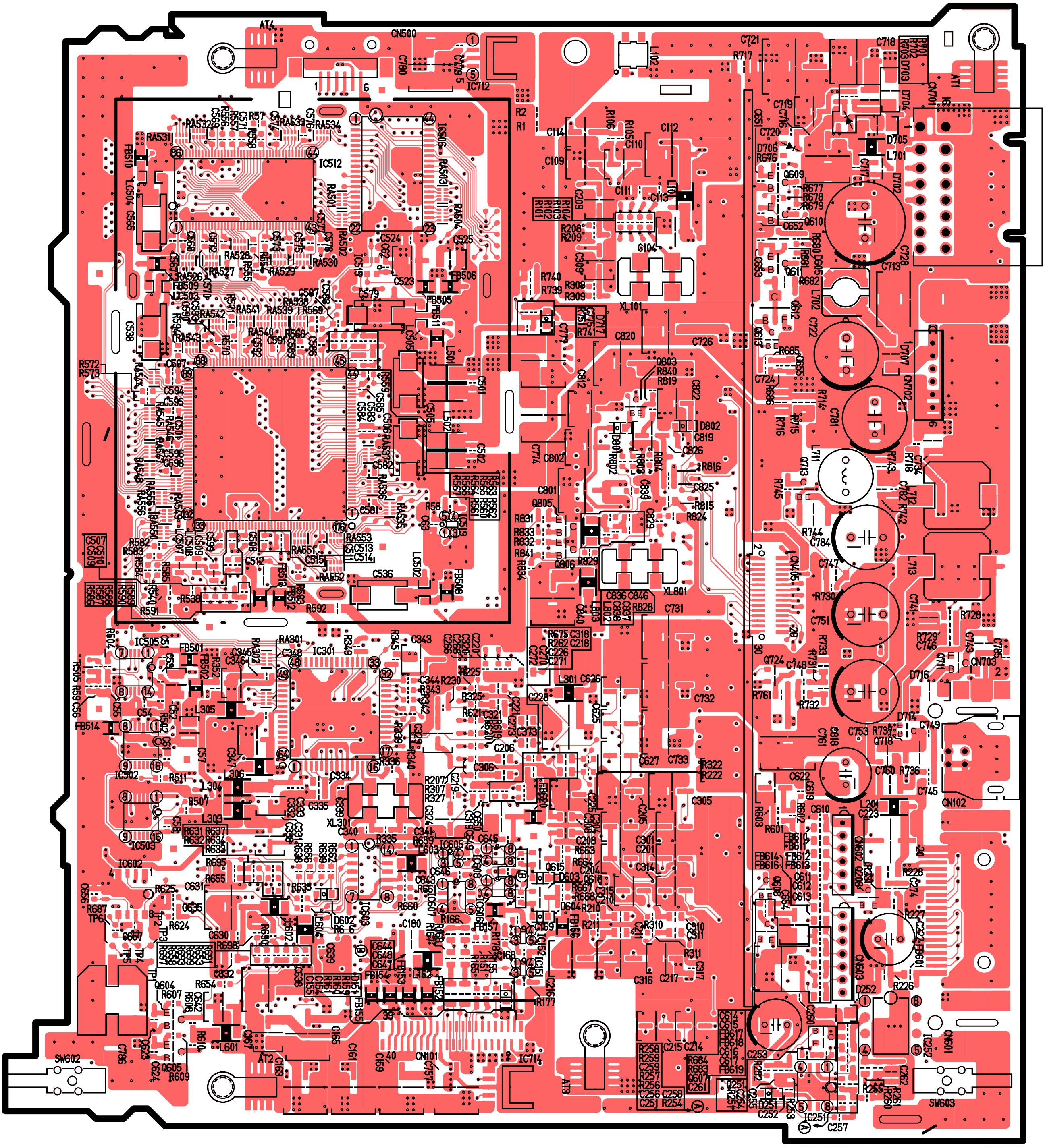

R405
C402
6
1
CN401
R406
R408
C406
R409
C407
Q403
D402
Q402
R412
B
C
E
B
E
C
⑥
⑮
⑨
⑭
C
B
E
B
E
C
①
⑤
③
④
Q404
D414
C436
C444
L412
Q401
R403
R410
C410
R411
C409
R407
C408
C437
C445
L414
L411
R401
R402
C401
R404
IC401
C432
C417
C416
R416
R415
C415
C414
R414
C440
L413
R413
C441
R424
C423
C419
C421
Q406
D403
C420
Q407
R422
R423
R421
Q405
R420

[E-9146Db][Bottom View]


CN701
CN702
IC701
IC101
IC713
IC153
IC514
IC513
XL501
IC801
L801
IC201
IC202
IC203
IC601
IC604
IC510
XL602
CN404
CN602
CN603
CN102
D701
D254
D601
Q701
Q702
Q703
Q749

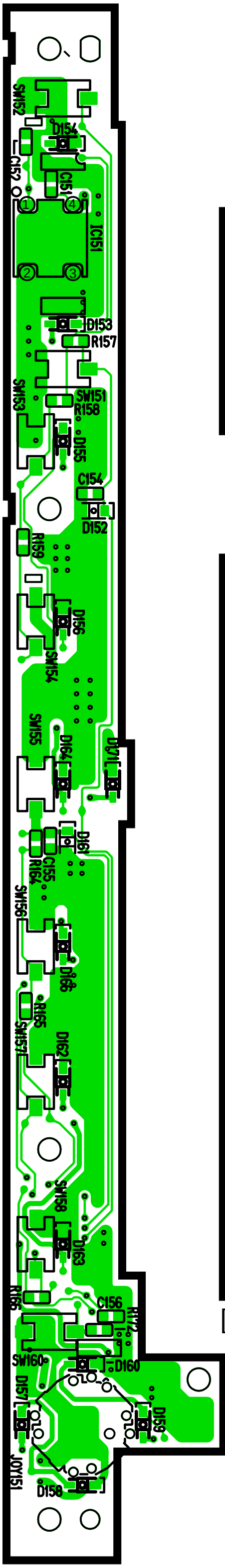
[E-9146Da][Bottom View]

CQ-VAD7300U MAIN P.C.B

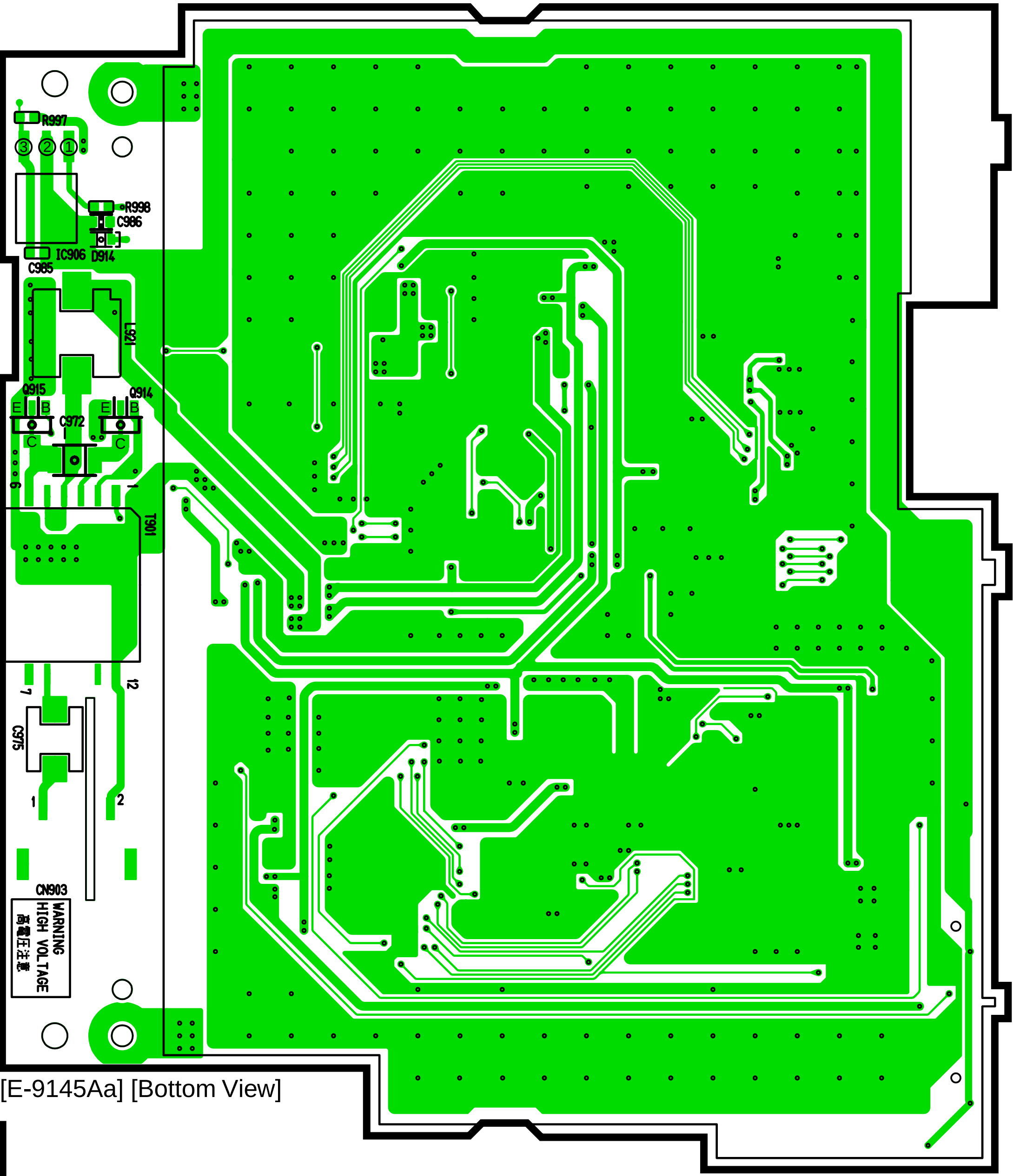

AT4
CN500
IC712
IC512
IC506
IC515
C780
C779
L102
C721
R717
C718
AT1
CN701
D705
L701
Q609
Q610
Q611
L702
C722
D707
CN702
Q803
D802
XL101
XL801
CN405
Q724
C748
D716
CN703
Q718
CN102
C745
IC301
IC505
IC502
IC503
IC602
XL301
IC605
IC609
Q604
Q605
SW602
AT2
CN101
IC714
AT3
IC251
IC252
CN601
CN602
CN603
SW603
C257

[E-9146Da][Top View]

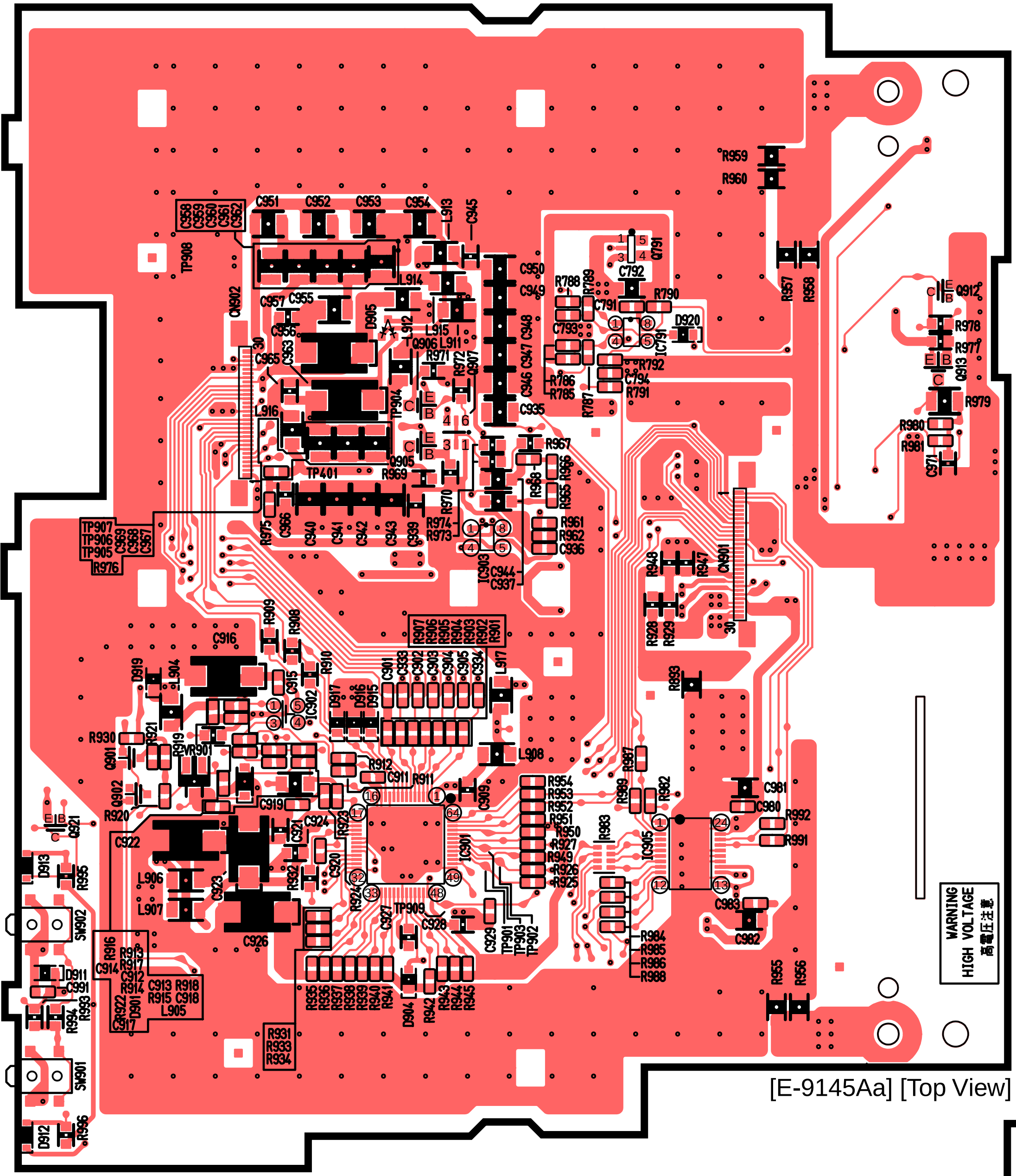
CQ-VAD7300U MAIN P.C.B


SW152
D154
C152
C151
IC151
①
④
②
③
D153
R157
SW151
R158
SW153
D155
C154
D152
R159
D156
SW154
SW155
D164
D171
D161
C155
R164
SW156
D166
R165
SW157
D162
SW158
D163
R166
C156
R172
SW160
D160
D157
D159
JOY151
D158

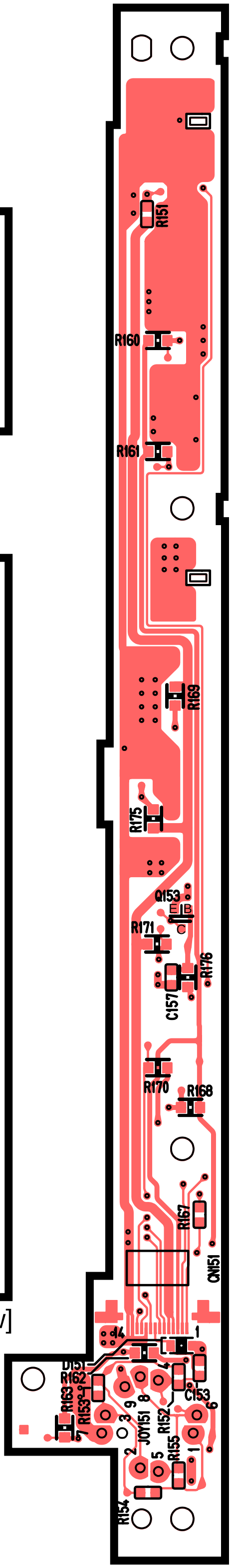
[E-9145Ab]
[Bottom View]


R997
③
②
①
R998
C986
IC906
D914
C985
L921
Q915
E
B
C
Q914
E
B
C
C972
6
1
T901
7
12
C975
1
2
CN903
WARNING
HIGH VOLTAGE
高電圧注意

[E-9145Aa] [Bottom View]

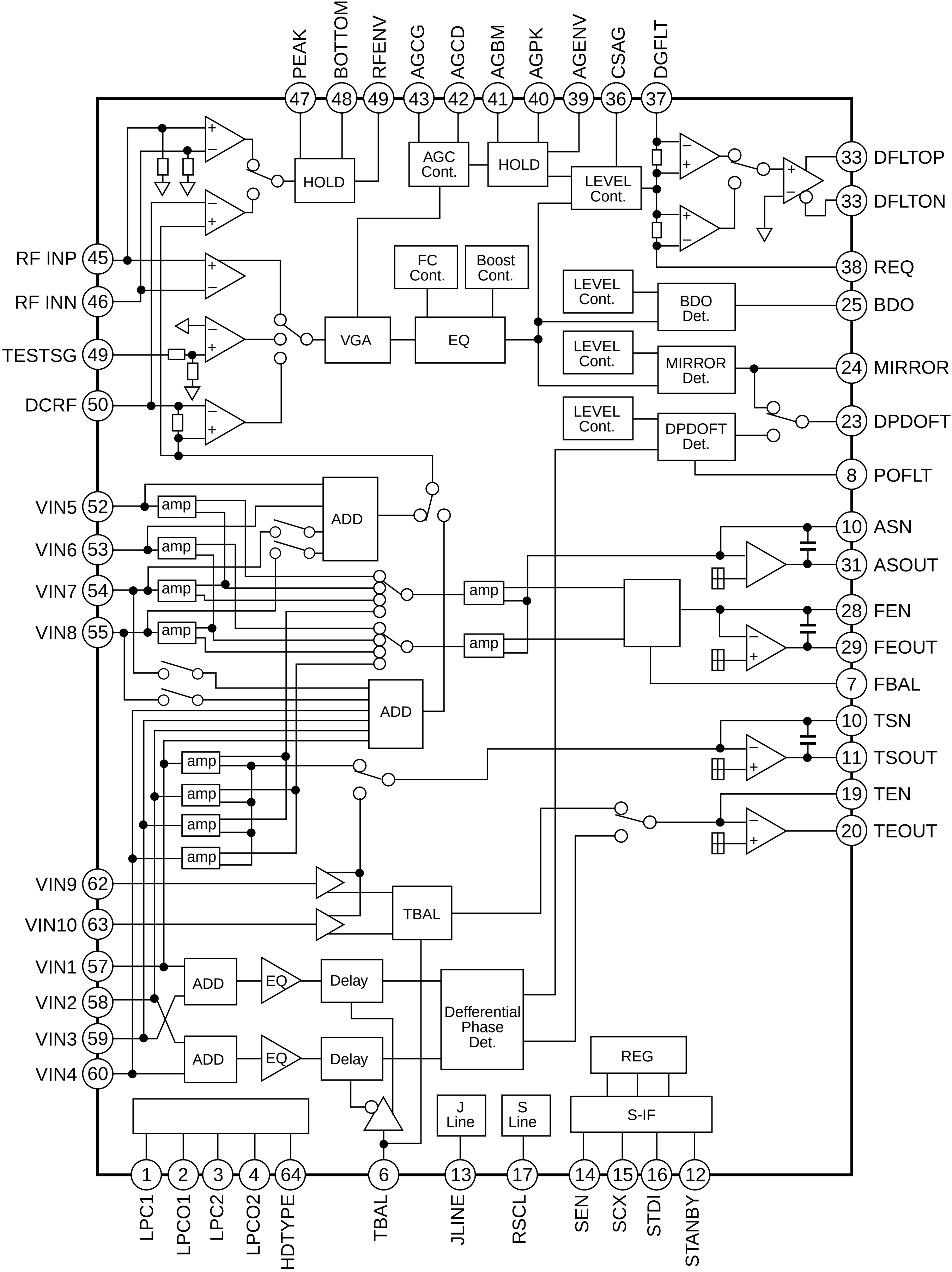

C951
C952
C953
C954
L913
C945
C958
C959
C960
C961
C962
TP908
CN902
C950
C949
C948
C947
C946
C935
Q791
IC791
C792
R788
R789
R790
C791
C793
D920
R792
C794
R786
R785
R787
R791
R959
R960
R957
R958
Q912
R978
R977
Q913
R979
R980
R981
C971
C957
C955
C956
C953
C965
D905
L912
L915
Q906
L911
R971
R972
Q907
L914
L916
TP904
TP401
Q905
R969
R967
R966
R968
R965
R970
R974
R973
R961
R962
C936
IC903
C944
C937
R975
C966
C940
C941
C942
C943
C939
TP907
TP906
TP905
C969
C968
C967
R976
CN901
R948
R947
R928
R929
R909
R908
R910
C916
D919
L904
C915
C902
D917
D916
D915
R907
R906
R905
R904
R903
R902
R901
C901
C933
C932
C903
C904
C905
C934
L917
R930
R921
R919
VR901
Q901
Q902
R920
Q921
D913
R995
SW902
C922
L906
L907
C923
C926
C919
C921
C924
R932
C920
R923
C911
R911
R912
L908
C909
IC901
R954
R953
R952
R951
R950
R927
R949
R926
R925
R924
C927
TP909
C928
C929
TP901
TP903
TP902
R993
R987
R989
R982
R983
IC905
C981
C980
R992
R991
C983
C982
R984
R985
R986
R988
R955
R956
R916
R917
C914
C912
R914
C913
R918
R915
C918
L905
R922
D901
C917
D911
C991
R993
R994
SW901
D912
R996
R931
R933
R934
R935
R936
R937
R938
R939
R940
R941
D904
R942
R943
R944
R945
WARNING
HIGH VOLTAGE
高電圧注意

[E-9145Aa] [Top View]

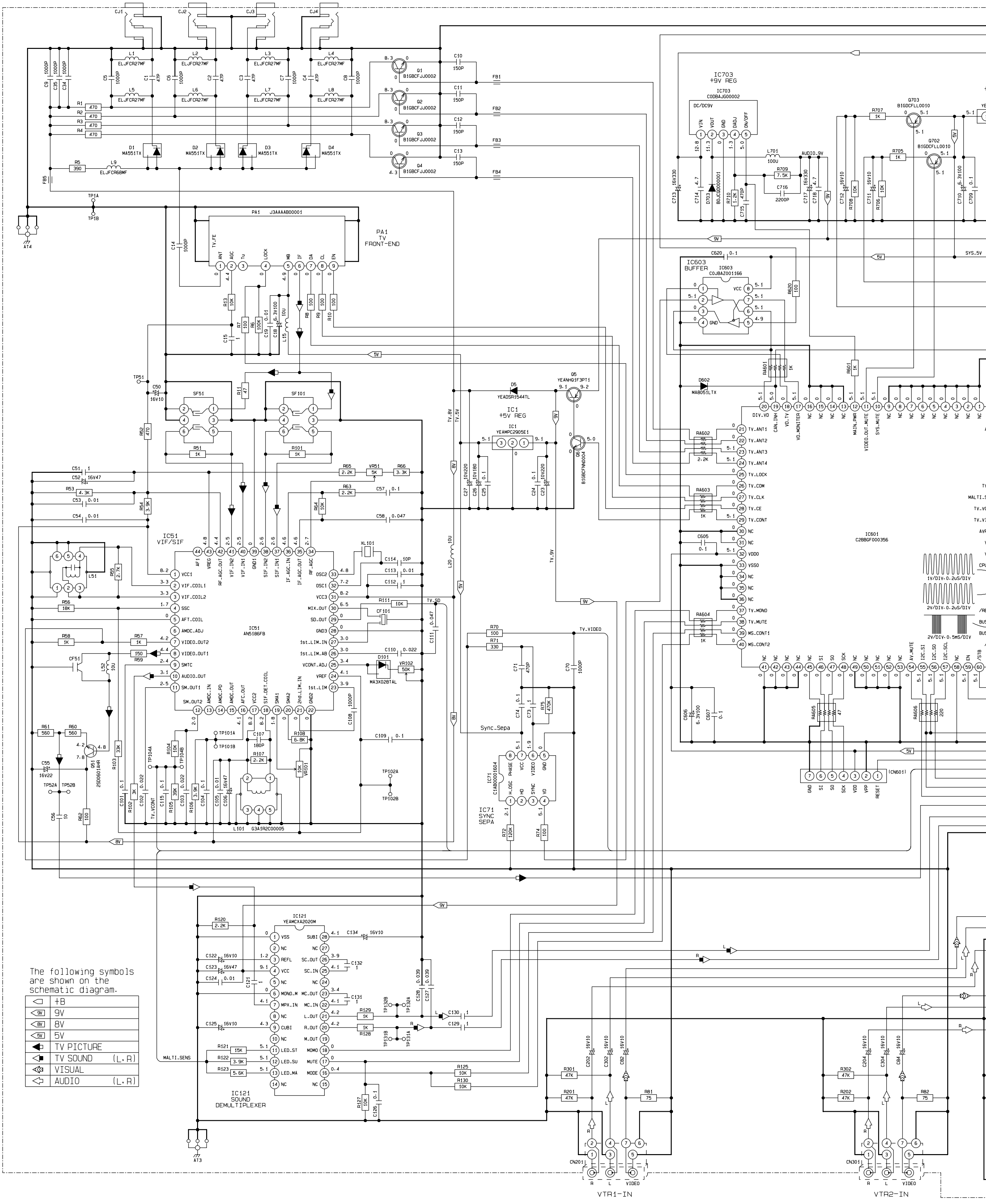

R151
R160
R161
R169
R175
Q153
R171
R176
C157
R170
R168
R167
CN151
D151
R162
R163
R153
JOY151
R152
C153
R155
R154

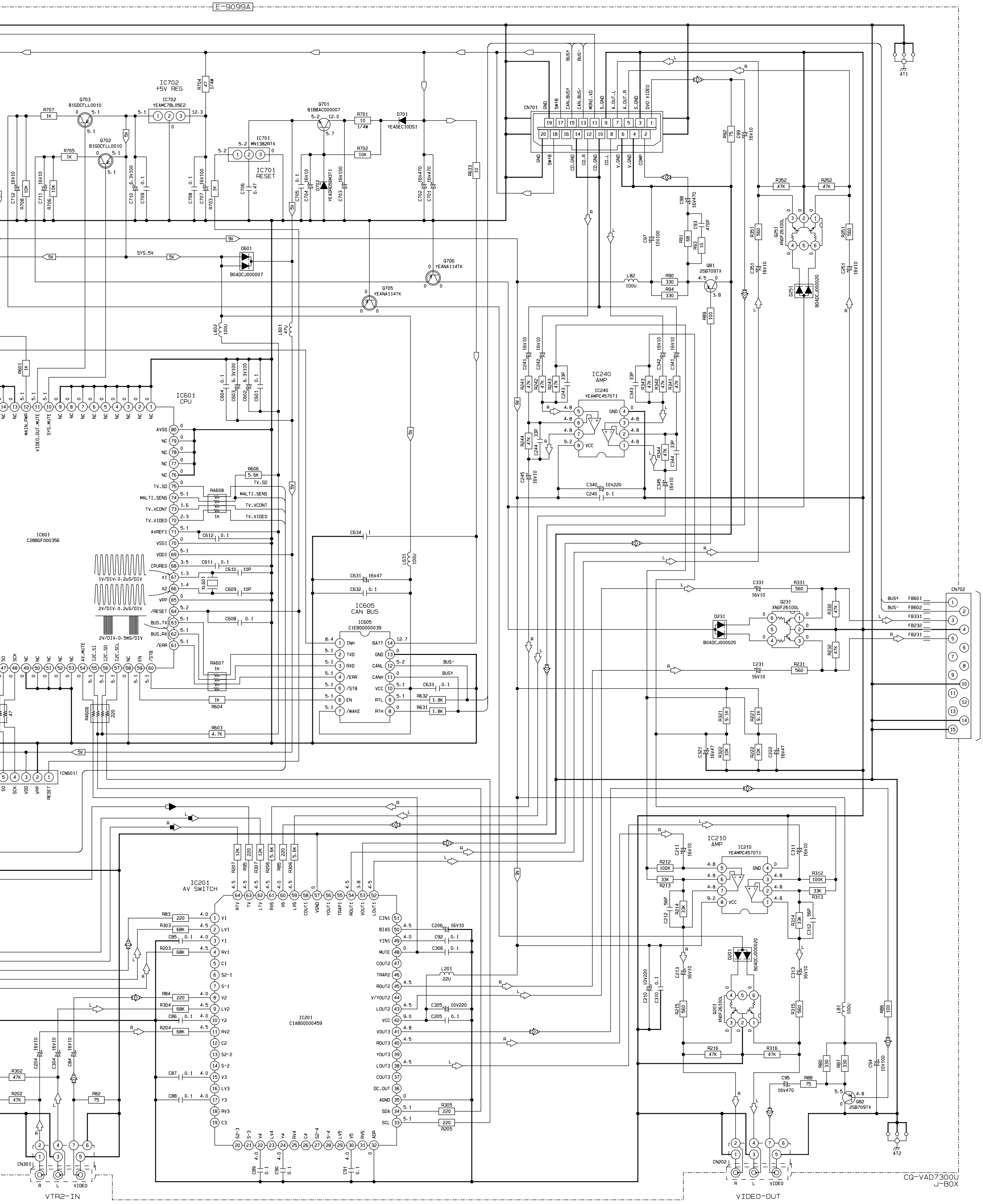
[E-9145Ab]
[Top View]

CQ-VAD7300U MONITER/SW P.C.B

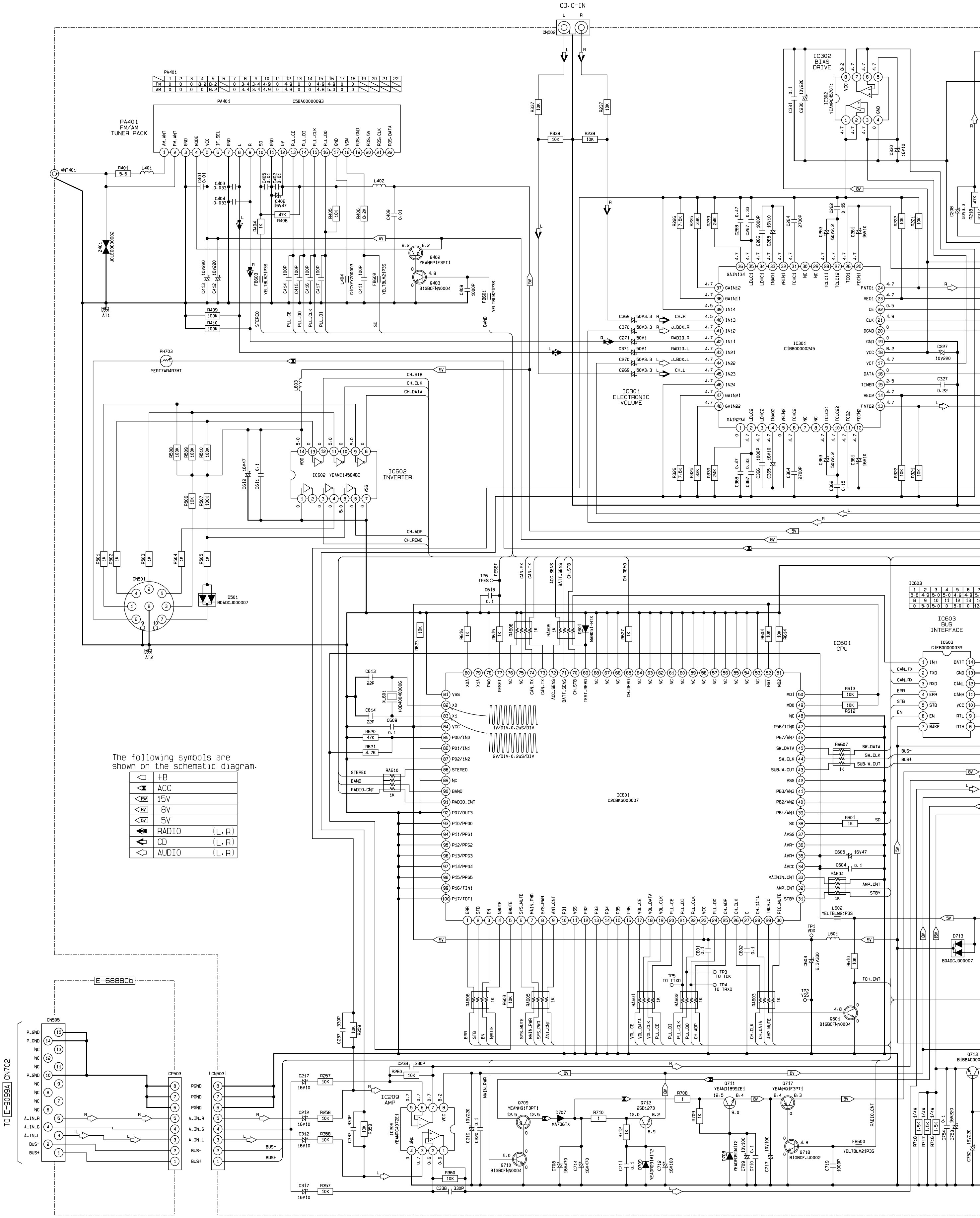

PEAK
BOTTOM
RFENV
AGCG
AGCD
AGBM
AGPK
AGENV
CSAG
DGFLT
47
48
49
43
42
41
40
39
36
37
HOLD
AGC Cont.
HOLD
LEVEL Cont.
33 DFLTOP
33 DFLTON
38 REQ
RF INP 45
RF INN 46
TESTSG 49
DCRF 50
VGA
EQ
FC Cont.
Boost Cont.
LEVEL Cont.
BDO Det.
25 BDO
LEVEL Cont.
MIRROR Det.
24 MIRROR
23 DPDOFT
LEVEL Cont.
DPDOFT Det.
8 POFLT
VIN5 52
VIN6 53
VIN7 54
VIN8 55
amp
amp
amp
amp
ADD
amp
amp
10 ASN
31 ASOUT
28 FEN
29 FEOUT
7 FBAL
ADD
10 TSN
11 TSOUT
amp
amp
amp
amp
19 TEN
20 TEOUT
VIN9 62
VIN10 63
TBAL
VIN1 57
VIN2 58
VIN3 59
VIN4 60
ADD
EQ
Delay
ADD
EQ
Delay
Defferential Phase Det.
REG
J Line
S Line
S-IF
1
2
3
4
64
6
13
17
14
15
16
12
LPC1
LPCO1
LPC2
LPCO2
HDTYPE
TBAL
JLINE
RSCL
SEN
SCX
STDI
STANBY
+
−

24.7. J-Box Block


CJ1
CJ2
CJ3
CJ4
PA1 TV FRONT-END
PA1 J3AAAAB00001
IC703 +9V REG
IC703 C0DBAJG00002
IC603 BUFFER
IC603 C0JBAZ001166
IC1 +5V REG
IC1 YEAMPC2905E1
IC51 VIF/SIF
IC51 AN5186FB
IC601 C2BBGF000356
IC71 SYNC SEPA
Sync_Sepa
IC121 SOUND DEMULTIPLEXER
IC121 YEAMCXA2020M
CN601
CN201
CN301
VTR1-IN
VTR2-IN
AT3
AT4
The following symbols are shown on the schematic diagram.
+B
9V
8V
5V
TV PICTURE
TV SOUND (L.R)
VISUAL
AUDIO (L.R)


E-9099A
IC702
+5V REG
YEAMC7BL05E2
Q703
B1GDCFLL0010
Q702
B1GDCFLL0010
Q701
B1BBAC000007
D701
YEADEC10DS1
IC701
MN13B2RTX
IC701
RESET
D601
B0ADCJ000007
SYS.5V
Q706
YEANA114TK
Q705
YEANA114TK
CN701
GND
SW18
CAN.BUS+
CAN.BUS-
MONI.VD
S.GND
A.OUT.L
A.OUT.R
S.GND
DVD VIDEO
CD.GND
CD.R
CD.GND
CD.L
V.GND
V.GND
COMP
BUS+
BUS-
AT1
Q81
2SB709TX
Q251
XN0F26100L
D251
B0ADCJ000020
IC240
AMP
IC240
YEAMPC4570T1
IC601
CPU
IC601
C2BBGF000356
MAIN.PWR
VIDEO.OUT.MUTE
SYS.MUTE
AVSS
TV.SD
MALTI.SENS
TV.VCONT
TV.VIDEO
AVREF1
VSS1
VDD1
CPUREG
X1
X2
VPP
/RESET
BUS.TX
BUS.RX
/ERR
/STB
1V/DIV-0.2uS/DIV
2V/DIV-0.2uS/DIV
2V/DIV-0.5mS/DIV
IC605
CAN BUS
IC605
C1EB00000039
INH
TXD
RXD
/ERR
/STB
EN
/WAKE
BATT
GND
CANL
CANH
VCC
RTL
RTH
Q231
XN0F26100L
D231
B0ADCJ000020
CN702
FB601
FB602
FB331
FB232
FB231
TO E-6888CD CN505
[CN601]
SO
SCK
VDD
VPP
RESET
IC201
AV SWITCH
IC201
C1AB00000459
IC210
AMP
IC210
YEAMPC4570T1
Q201
XN0F26100L
D201
B0ADCJ000020
Q82
2SB709TX
AT2
CN301
VTR2-IN
CN202
VIDEO-OUT
CQ-VAD7300U
J-BOX

24.6. Amp/Joint Block

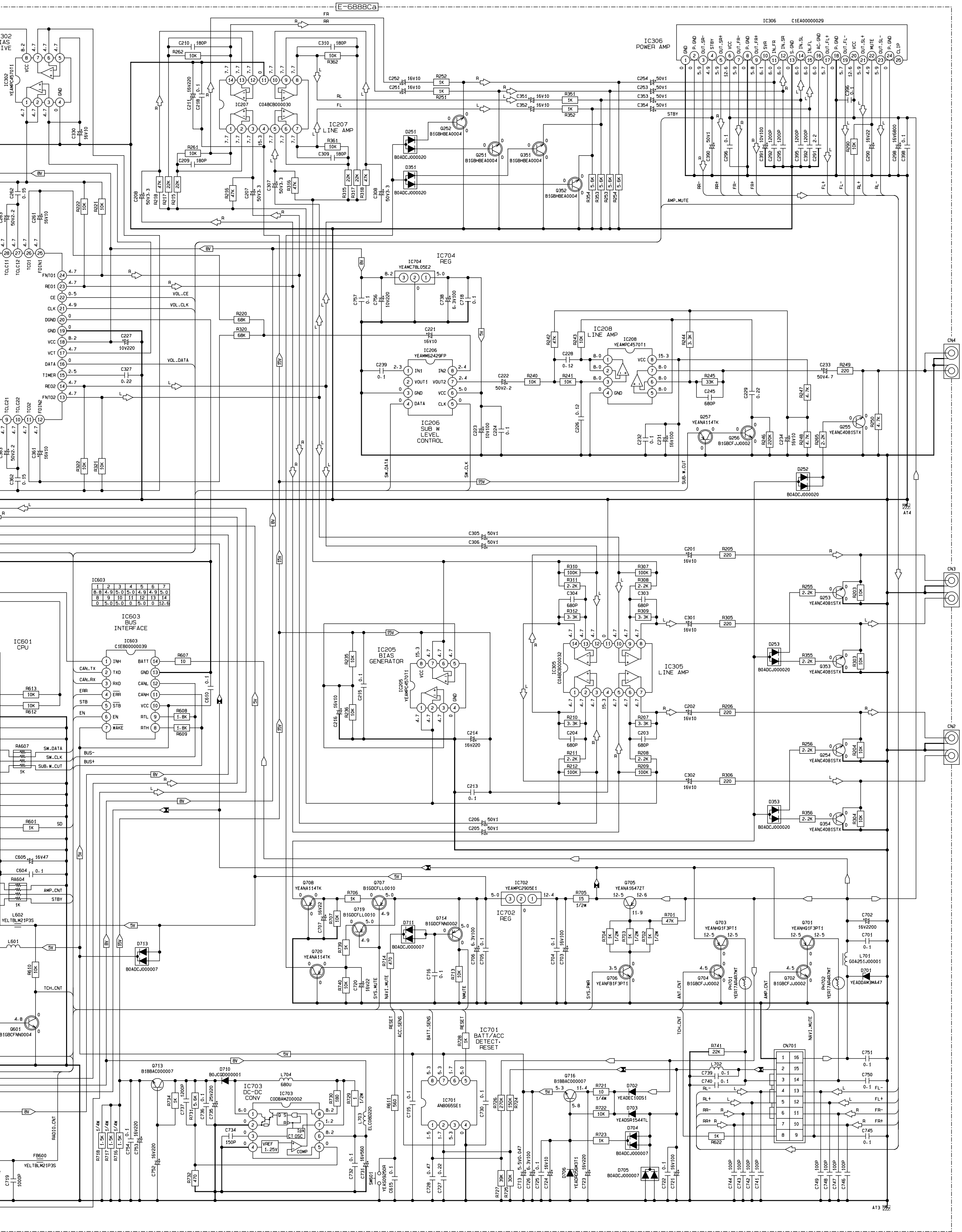

CD.C-IN
CN502
PA401
FM/AM
TUNER PACK
C5BA00000093
AM_ANT
FM_ANT
GND
MODE
VCC
IF_SEL
L
R
SD
5V
PLL.CE
PLL.DI
PLL.CLK
PLL.DO
VSM
RDS.GND
RDS.5V
RDS.CLK
RDS.DATA
ANT401
AT1
AT2
PH703
YERT7AR4R7MT
Q402
YEANFP1F3PT1
Q403
B1GBCFNN0004
IC602 YEAMC14584BE
IC602
INVERTER
CN501
D501
B0ADCJ000007
IC302
BIAS
DRIVE
IC301
ELECTRONIC
VOLUME
C1BB00000245
IC601
CPU
C2CBKG000007
IC603
BUS
INTERFACE
C1EB00000039
1V/DIV.0.2uS/DIV
2V/DIV.0.2uS/DIV
CH.STB
CH.CLK
CH.DATA
CH.ADP
CH.REMO
STEREO
BAND
RADIO.CNT
SW.DATA
SW.CLK
SUB.W.CUT
AMP.CNT
STBY
TCH.CNT
E-6888Cb
CN505
CP503
CN503
TO E-9099A CN702
P.GND
NC
A.IN.R
A.IN.G
A.IN.L
BUS-
BUS+
IC209
AMP
YEAMPC4072E1
Q709
Q710
B1GBCFNN0004
Q711
YEAND1899ZE1
Q712
2SD1273
Q713
Q717
YEANHQ1F3PT1
Q718
B1GBCFJJ0002
Q601
B1GBCFNN0004
D707
MA736TX
D713
B0ADCJ000007
L602
YELTBLM21P3S
FB600
YELTBLM21P3S
TP1 VDD
TP2 VSS
TP3 TO TCK
TP4 TO TRXD
TP5 TO TTXD
TP6 TRES

PA401

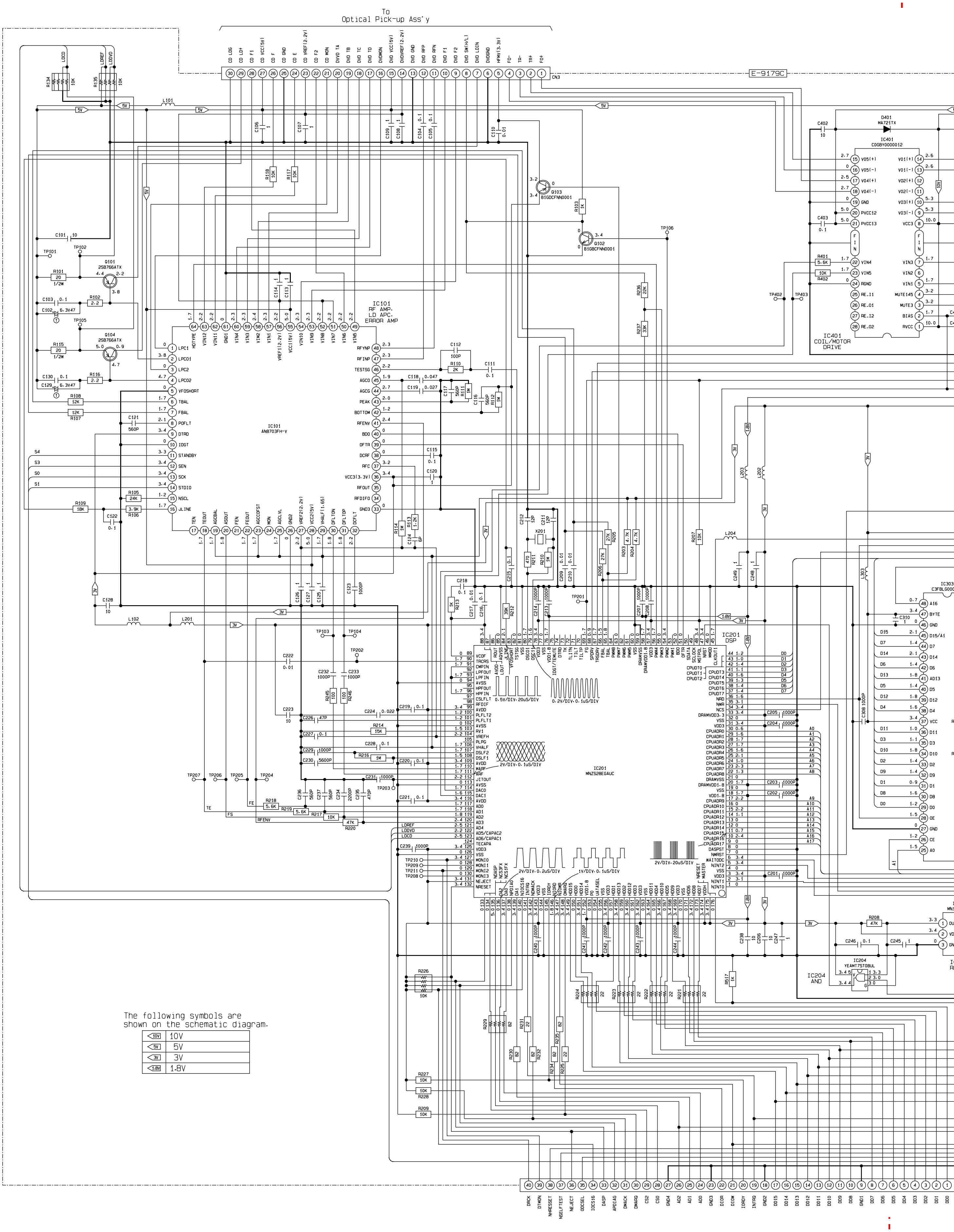
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
FM	0	0	0	8.2	8.2		0	3.4	3.4	4.9	0	4.9	0	0	4.9	4.9	0	0				
AM	0	0	0	0	8.2		0	3.4	3.4	4.9	0	4.9	0	0	4.8	5.0	0	0				

The following symbols are shown on the schematic diagram.

◁	+B
◁	ACC
◁15V	15V
◁8V	8V
◁5V	5V
⇦	RADIO (L,R)
⇦	CD (L,R)
⇦	AUDIO (L,R)

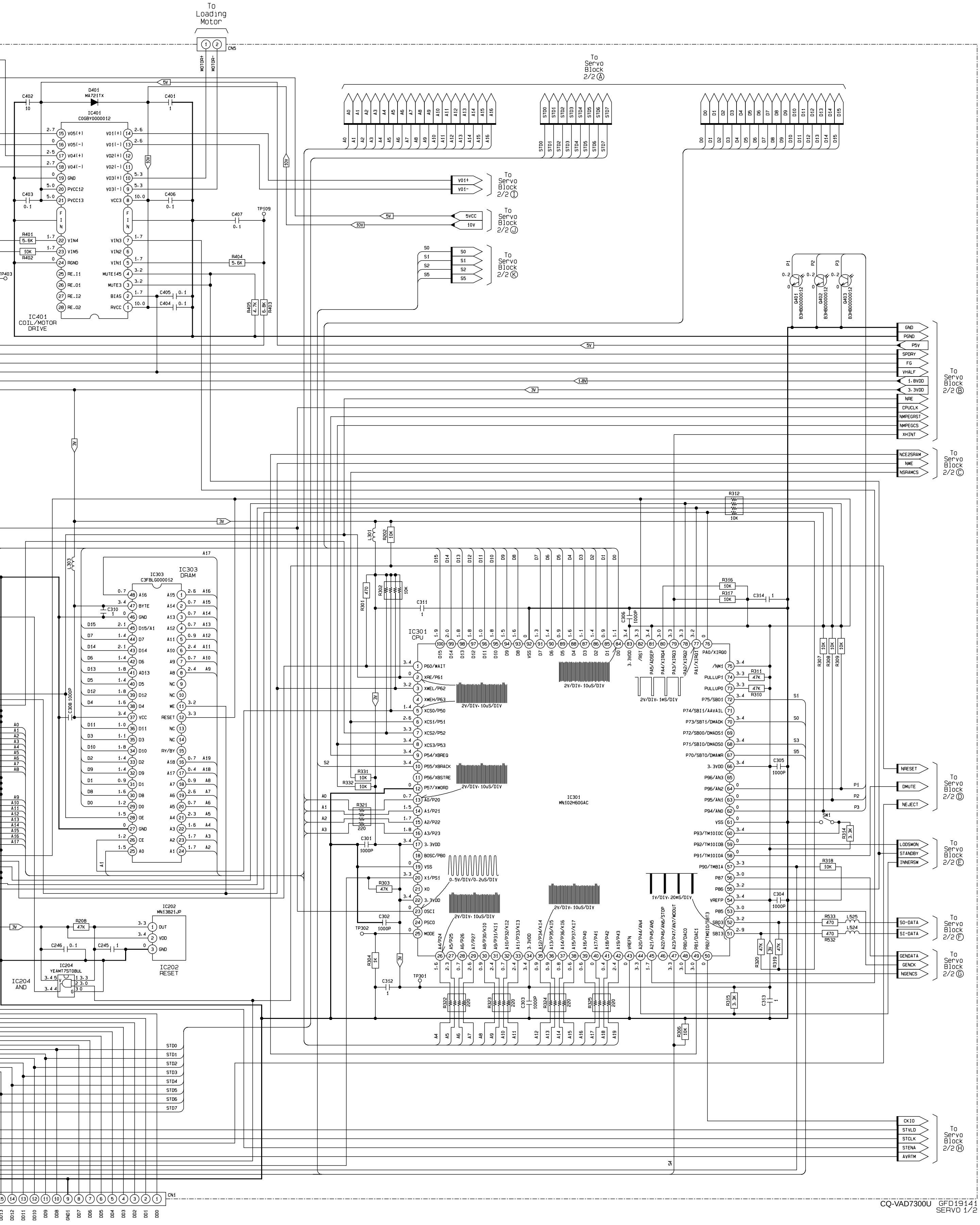

E-6888Ca
IC302 BIAS DRIVE
IC207 LINE AMP
IC306 POWER AMP
IC306 C1EA00000029
IC704 REG
IC704 YEAMC78L05E2
IC206 SUB W LEVEL CONTROL
IC206 YEAMM62429FP
IC208 LINE AMP
IC208 YEAMPC4570T1
IC603 BUS INTERFACE
IC603 C1EB00000039
IC601 CPU
IC205 BIAS GENERATOR
IC305 LINE AMP
IC702 REG
IC702 YEAMPC2905E1
IC701 BATT/ACC DETECT·RESET
IC701 AN8065E1
IC703 DC-DC CONV
IC703 C0DBAMZ00002
CN4 SUB-W (MONO)
CN3 PRE-OUT FRONT
CN2 PRE-OUT REAR
CN701
AT3
AT4

24.8. DVD Deck-1 Block


To
Optical Pick-up Ass'y
CN3
E-9179C
IC101
RF AMP.
LD APC.
ERROR AMP
IC101
AN8703FH-V
IC201
DSP
IC201
MN2S2BEGAUC
IC401
C0GBY0000012
IC401
COIL/MOTOR
DRIVE
D401
MA721TX
Q101
2SB766ATX
Q104
2SB766ATX
Q102
B1GBCFNN0001
Q103
B1GDCFNN0001
IC204
YEAMT7ST0BUL
IC204
AND
IC303
X201
0.5V/DIV・20uS/DIV
0.2V/DIV・0.1uS/DIV
2V/DIV・0.1uS/DIV
2V/DIV・0.2uS/DIV
1V/DIV・0.1uS/DIV
2V/DIV・20uS/DIV
DRCK
DTMON
NHRESET
NSELFTEST
NEJECT
ODCSEL
IDCS16
DASP
APDIAG
DMACK
DMARQ
CS2
CS0
GND4
AD2
AD1
AD0
GND3
DIOR
DIOW
IORDY
INTRQ
GND2
DD15
DD14
DD13
DD12
DD11
DD10
DD9
DD8
GND1
DD7
DD6
DD5
DD4
DD3
DD2
DD1

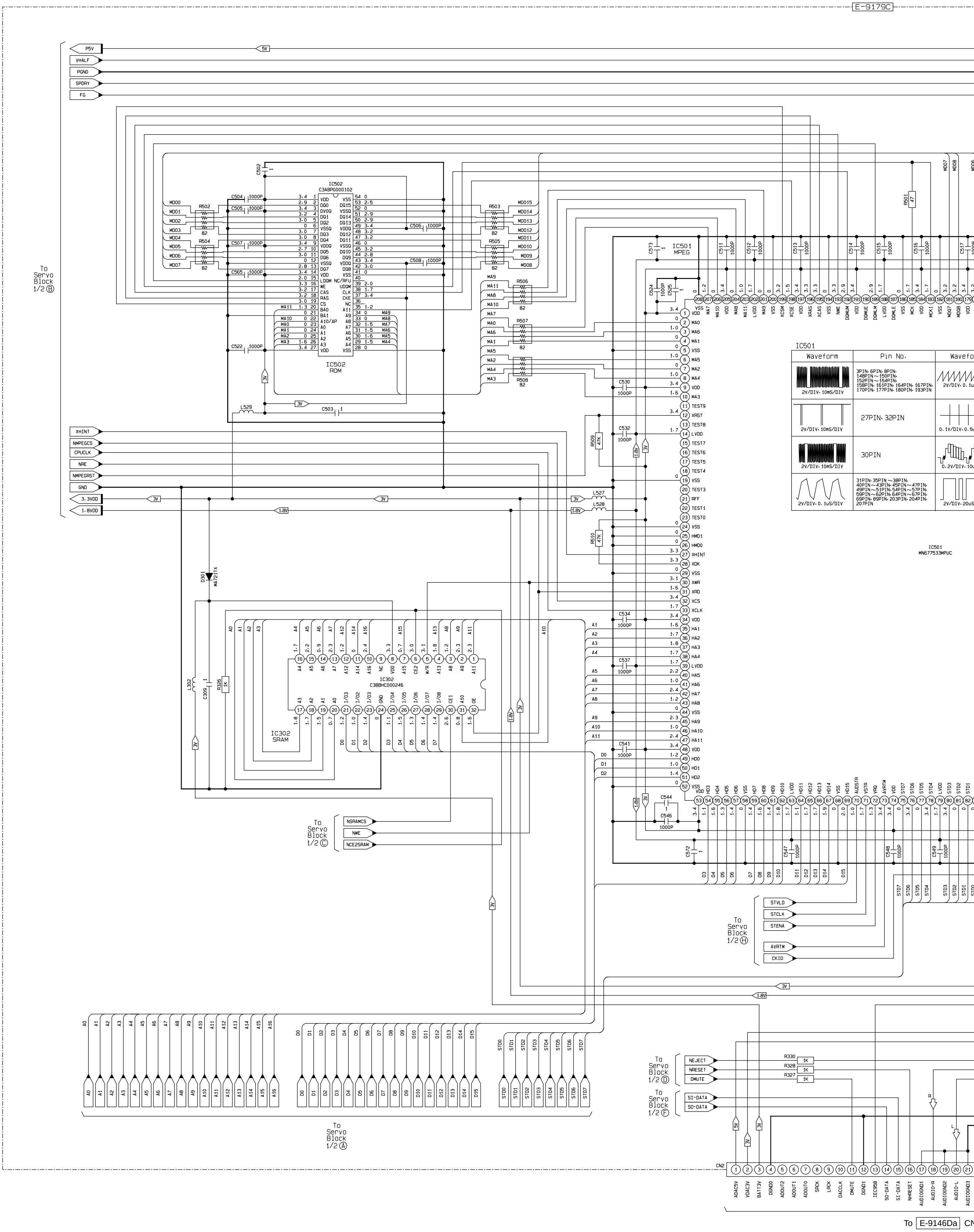
The following symbols are shown on the schematic diagram.

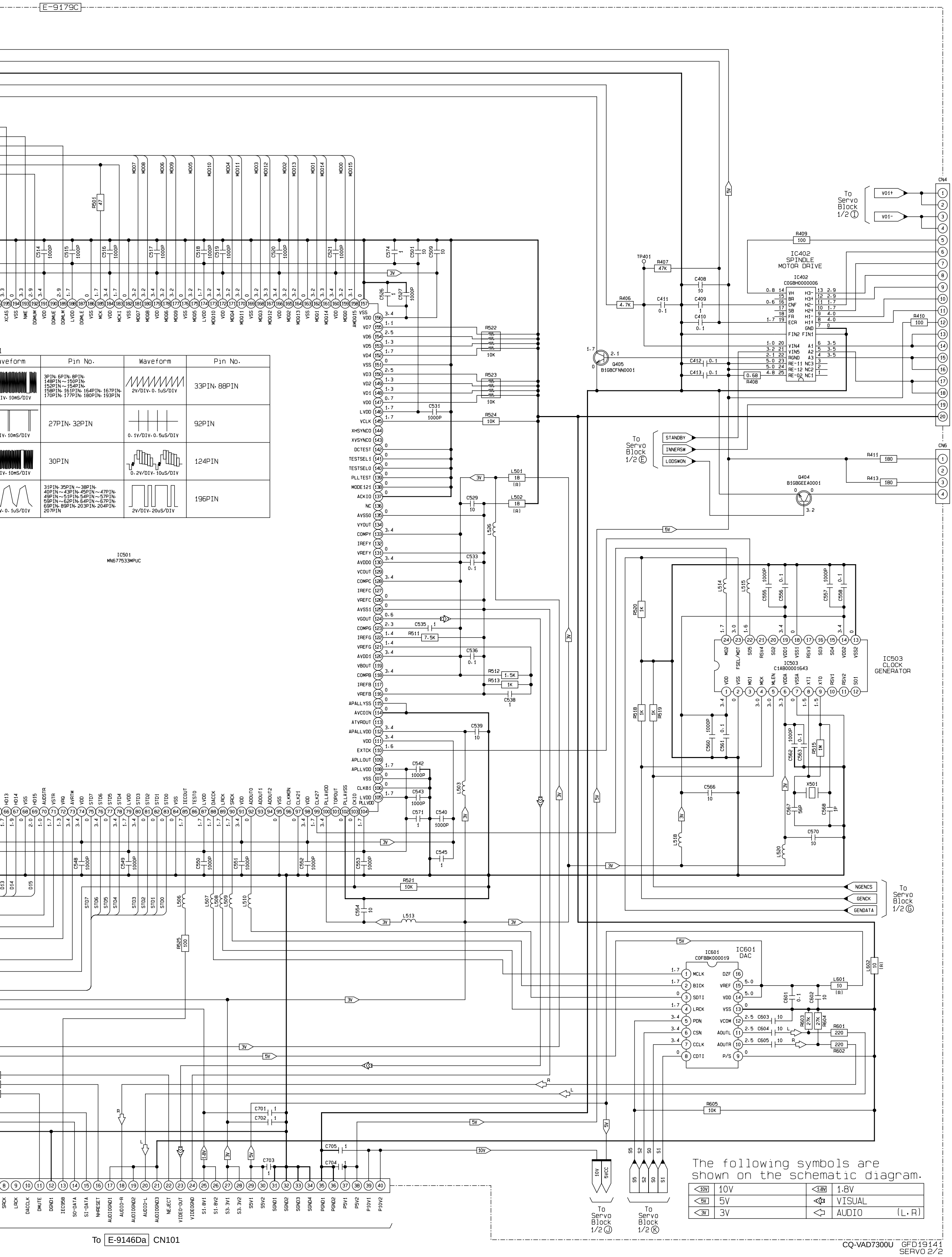
10V	10V
5V	5V
3V	3V
1.8V	1.8V



To Loading Motor
CN5
MOTOR+
MOTOR-
To Servo Block 2/2 Ⓐ
A0 A1 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11 A12 A13 A14 A15 A16
STD0 STD1 STD2 STD3 STD4 STD5 STD6 STD7
D0 D1 D2 D3 D4 D5 D6 D7 D8 D9 D10 D11 D12 D13 D14 D15
D401 MA721TX
C402 10
C401 1
IC401 C0GBY0000012
VO5(+) VO5(-) VO4(+) VO4(-) GND PVCC12 PVCC13
VO1(+) VO1(-) VO2(+) VO2(-) VO3(+) VO3(-) VCC3
VIN4 VIN5 RGND RE.I1 RE.O1 RE.I2 RE.O2
VIN3 VIN2 VIN1 MUTE145 MUTE3 BIAS RVCC
C403 0.1
C406 0.1
C407 0.1
TP109
R401 5.6K
R402 10K
R404 5.6K
R405 4.7K
R403 6.8K
C405 0.1
C404 0.1
TP403
IC401 COIL/MOTOR DRIVE
VO1+ VO1-
To Servo Block 2/2 Ⓘ
5VCC 10V
To Servo Block 2/2 Ⓙ
S0 S1 S2 S5
To Servo Block 2/2 Ⓚ
P1 P2 P3
Q401 B3HB0000012
Q402 B3HB0000012
Q403 B3HB0000012
GND PGND P5V SPDRY FG VHALF 1.8VDD 3.3VDD NRE CPUCLK NMPEGRST NMPEGCS XHINT
To Servo Block 2/2 Ⓑ
NCE2SRAM NWE NSRAMCS
To Servo Block 2/2 Ⓒ
R312 10K
R202 10K
L301
L303
IC303 C3FBLG000012
IC303 DRAM
A16 BYTE GND D15/A1 D7 D14 D6 AD13 D5 D12 D4 VCC D11 D3 D10 D2 D9 D1 D8 D0 OE GND CE A0
A15 A14 A13 A12 A11 A10 A9 A8 NC NC WE RESET NC NC RY/BY A18 A17 A7 A6 A5 A4 A3 A2 A1
C310 1
C308 1000P
R301 470
R302 10K
C311 1
C306 1000P
R316 10K
R317 10K
C314 1
IC301 CPU
IC301 MN102H60GAC
P60/WAIT XRE/P61 XWEL/P62 XWEH/P63 XCS0/P50 XCS1/P51 XCS2/P52 XCS3/P53 P54/XBREQ P55/XBRACK P56/XBSTRE P57/XWORD A0/P20 A1/P21 A2/P22 A3/P23 3.3VDD BOSC/PB0 VSS X1/PS1 XO 3.3VDD OSCI PSCO MODE
PA0/XIRQ0 /NMI PULLUP1 PULLUP0 P75/SBO1 P74/SBI1/AAVAIL P73/SBT1/DMADK P72/SBO0/DMADS1 P71/SBO0/DMADS0 P70/SBT0/DMAWR 3.3VDD P96/AN3 P96/AN2 P95/AN1 P94/AN0 VSS P93/TM10IOC P92/TM10IOB P91/TM10IOA P90/TMBIA P87 P86 VREFP P85 SBO3 SBI3
2V/DIV. 10uS/DIV
2V/DIV. 1mS/DIV
0.5V/DIV/0.2uS/DIV
1V/DIV. 20mS/DIV
R311 47K
R310 47K
C305 1000P
C304 1000P
R331 10K
R332 10K
R321 220
C301 1000P
R303 47K
C302 1000P
TP302
R304 1K
C312 1
TP301
R322 220
R323 220
C303 1000P
R324 220
R325 220
R315 3.3K
C313 1
R306 10K
R307 10K
R308 10K
R309 10K
SW1
R314 3.3K
R318 10K
R320 47K
R319 47K
R533 470
R532 470
L525
L524
NRESET DMUTE NEJECT
To Servo Block 2/2 Ⓓ
LODSWON STANDBY INNERSW
To Servo Block 2/2 Ⓔ
SO-DATA SI-DATA
To Servo Block 2/2 Ⓕ
GENDATA GENCK NGENCS
To Servo Block 2/2 Ⓖ
CKIO STVLD STCLK STENA AVRTM
To Servo Block 2/2 Ⓗ
IC202 MN13821JP
OUT VDD GND
IC202 RESET
R208 47K
C246 0.1
C245 1
IC204 YEAMT7SO8UL
IC204 AND
STD0 STD1 STD2 STD3 STD4 STD5 STD6 STD7
CN1
D013 D012 D011 D010 D09 D08 GND1 D07 D06 D05 D04 D03 D02 D01 D00

24.9. DVD Deck-2 Block


E-9179C
P5V
VHALF
PGND
SPDRY
FG
XHINT
NMPEGCS
CPUCLK
NRE
NMPEGRST
GND
3.3VDD
1.8VDD
To Servo Block 1/2 Ⓑ
IC502
C3ABPG000102
IC502 ROM
IC501 MPEG
IC501
MN677533MPUC
IC302
C3BBHC000246
IC302 SRAM
D301 MA721TX
R502
R503
R504
R505
R506
R507
R508
R509 47K
R510 47K
R501 47
R326 1K
L302
L527
L528
L529
C309
C502
C503
C504 1000P
C505 1000P
C506 1000P
C507 1000P
C508 1000P
C565 1000P
C522 1000P
C530 1000P
C532 1000P
C534 1000P
C537 1000P
C541 1000P
C544
C546 1000P
C547 1000P
C548 1000P
C549 1000P
C572
C573
C524 1000P
C525
C511 1000P
C512 1000P
C513 1000P
C514 1000P
C515 1000P
C516 1000P
C517
IC501
Waveform
Pin No.
2V/DIV. 10mS/DIV
3PIN. 6PIN. 8PIN. 148PIN～150PIN. 152PIN～154PIN. 158PIN. 161PIN. 164PIN. 167PIN. 170PIN. 177PIN. 180PIN. 193PIN
2V/DIV. 0.1u
2V/DIV. 10mS/DIV
27PIN. 32PIN
0.1V/DIV. 0.5u
2V/DIV. 10mS/DIV
30PIN
0.2V/DIV. 10u
2V/DIV. 0.1uS/DIV
31PIN. 35PIN～38PIN. 40PIN～43PIN. 45PIN～47PIN. 49PIN～51PIN. 54PIN～57PIN. 59PIN～62PIN. 64PIN～67PIN. 69PIN. 89PIN. 203PIN. 204PIN. 207PIN
2V/DIV. 20uS
To Servo Block 1/2 Ⓒ
NSRAMCS
NWE
NCE2SRAM
To Servo Block 1/2 Ⓗ
STVLD
STCLK
STENA
AVRTM
CK10
To Servo Block 1/2 Ⓓ
NEJECT
NRESET
DMUTE
R330 1K
R328 1K
R327 1K
To Servo Block 1/2 Ⓕ
SI-DATA
SO-DATA
To Servo Block 1/2 Ⓐ
CN2
ADAC5V
VDAC3V
BATT3V
DGND0
ADOUT2
ADOUT1
ADOUT0
SRCK
LRCK
DACCLK
DMUTE
DGND1
IEC958
SO-DATA
SI-DATA
NHRESET
AUDIOGND1
AUDIO-R
AUDIOGND2
AUDIO-L
AUDIOGND3
To E-9146Da CN


E-9179C
IC501
MN677533MPUC
IC402
SPINDLE
MOTOR DRIVE
C0GBH0000006
IC503
CLOCK
GENERATOR
C1AB00001643
IC601
DAC
C0FBBK000019
Q405
B1GBCFNN0001
Q404
B1GBGEEA0001
X501
CN4
CN6
TRV+1
TRV+2
TRV-1
TRV-2
VH-
H3-
H3+
H2-
H2+
H1-
H1+
VH+
U1
U2
V1
V2
W1
W2
INNER-SW
SW-GND
To Spindle/Traverse Motor Ass'y
B
C
COM
To LED Ass'y
To Servo Block 1/2 Ⓘ
To Servo Block 1/2 Ⓔ
To Servo Block 1/2 Ⓖ
To Servo Block 1/2 Ⓙ
To Servo Block 1/2 Ⓚ
STANDBY
INNERSW
LODSWON
NGENCS
GENCK
GENDATA
VO1+
VO1-
Waveform
Pin No.
3PIN, 6PIN, 8PIN, 148PIN～150PIN, 152PIN～154PIN, 158PIN, 161PIN, 164PIN, 167PIN, 170PIN, 177PIN, 180PIN, 193PIN
33PIN, 88PIN
27PIN, 32PIN
92PIN
30PIN
124PIN
31PIN, 35PIN～38PIN, 40PIN～43PIN, 45PIN～47PIN, 49PIN～51PIN, 54PIN～57PIN, 59PIN～62PIN, 64PIN～67PIN, 69PIN, 89PIN, 203PIN, 204PIN, 207PIN
196PIN
2V/DIV, 0.1uS/DIV
0.1V/DIV, 0.5uS/DIV
0.2V/DIV, 10uS/DIV
2V/DIV, 20uS/DIV
To E-9146Da CN101
The following symbols are shown on the schematic diagram.
10V
5V
3V
1.8V
VISUAL
AUDIO (L, R)

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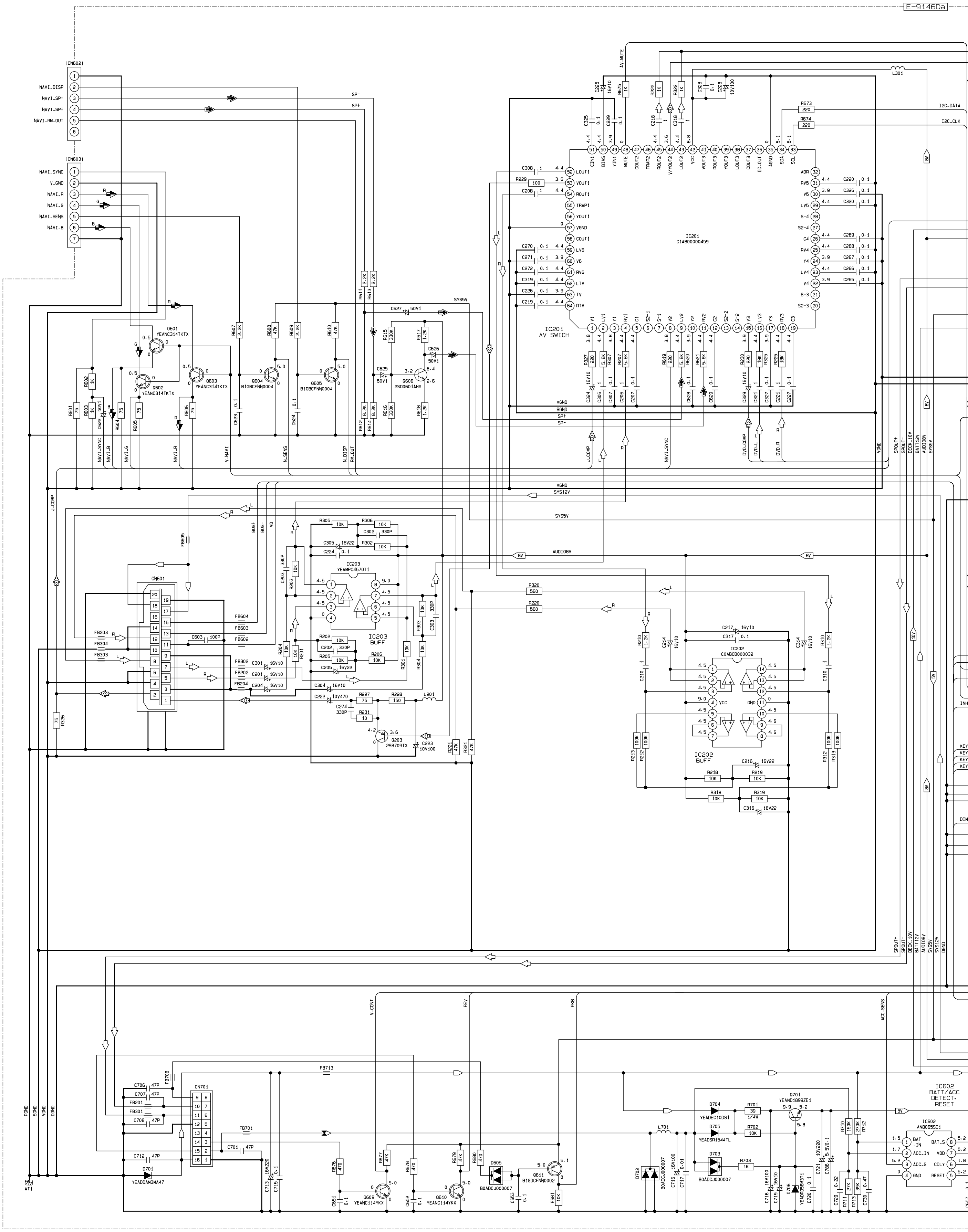
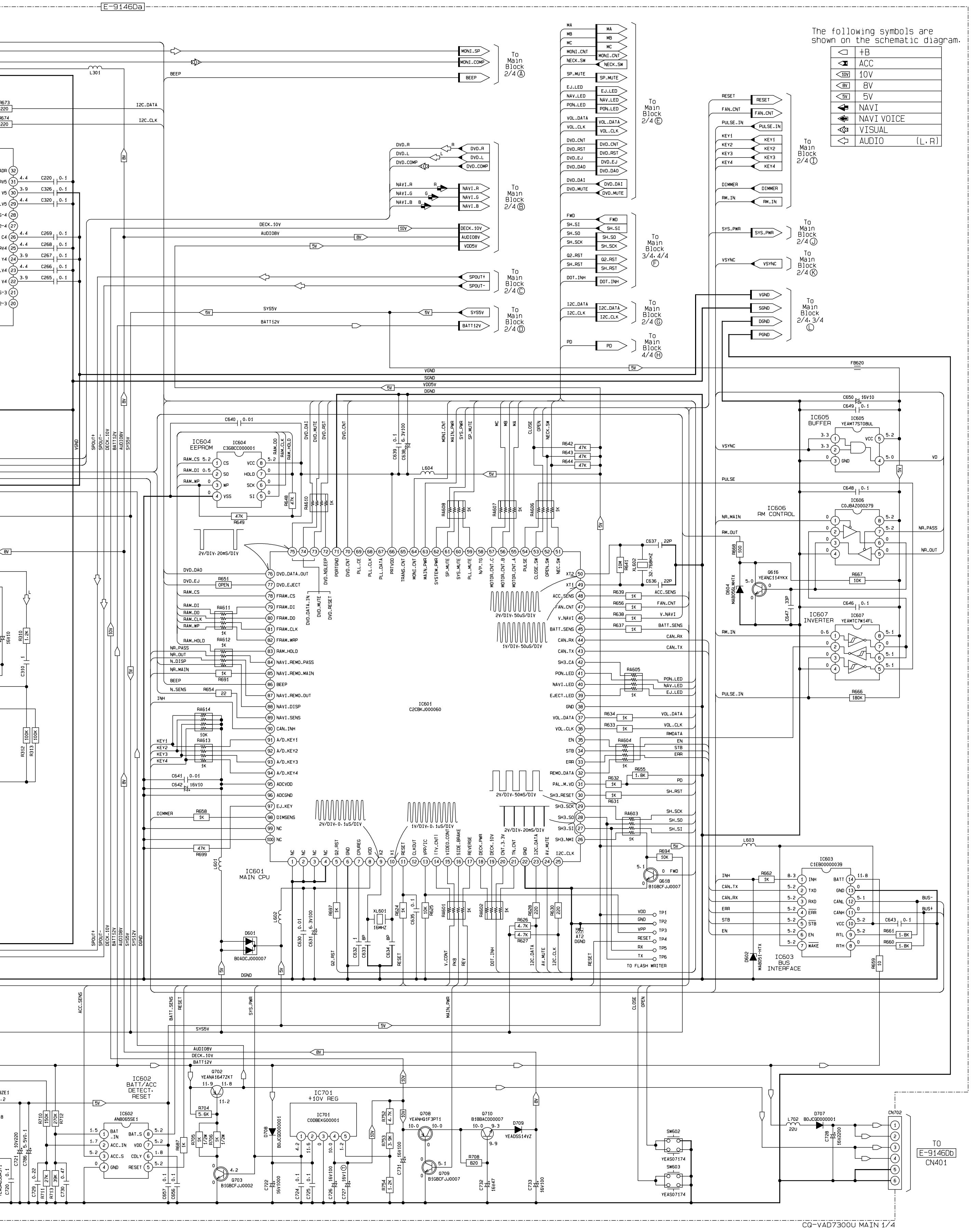
24 SCHEMATIC DIAGRAM -2

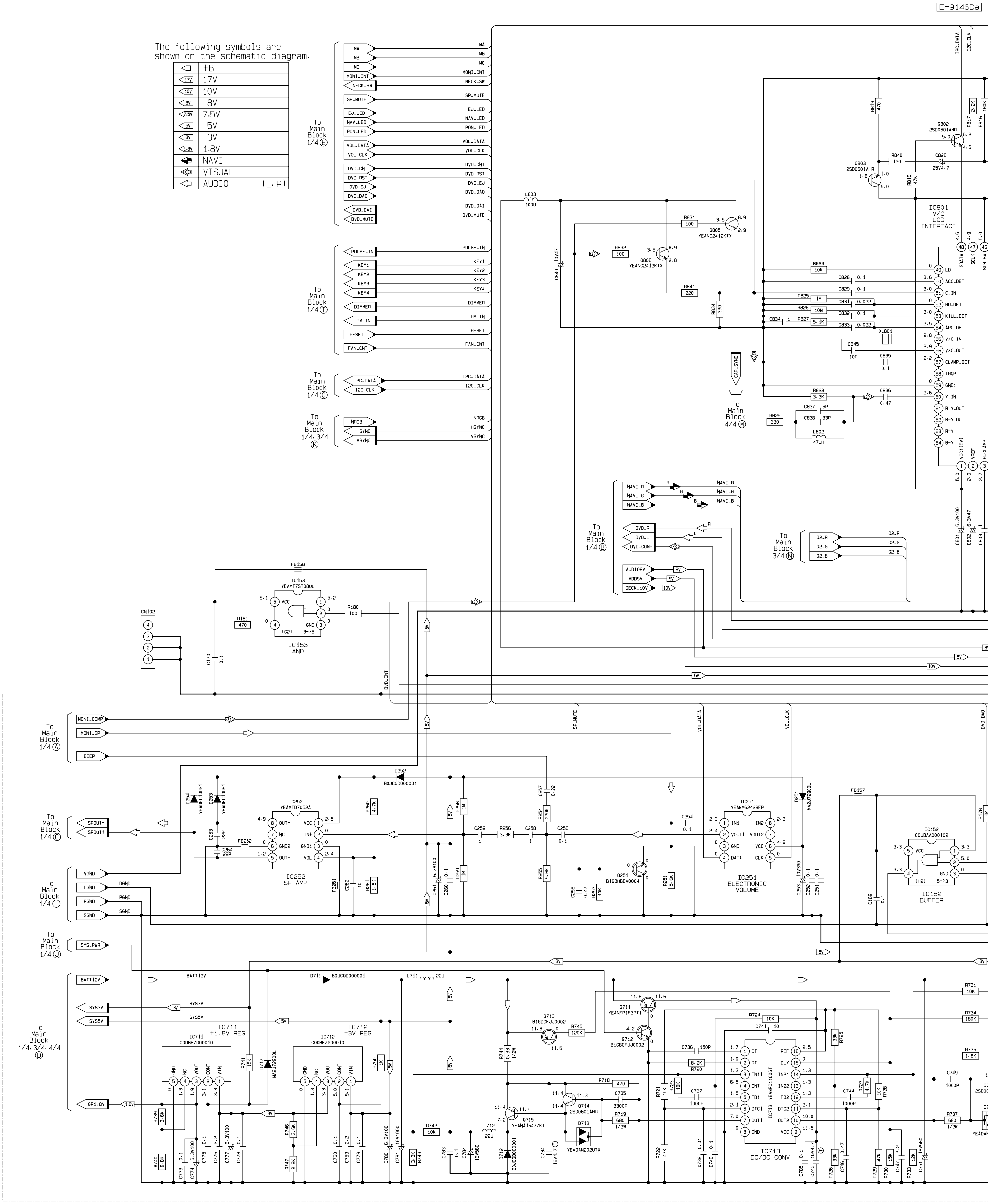
24.1. Main-1 Block

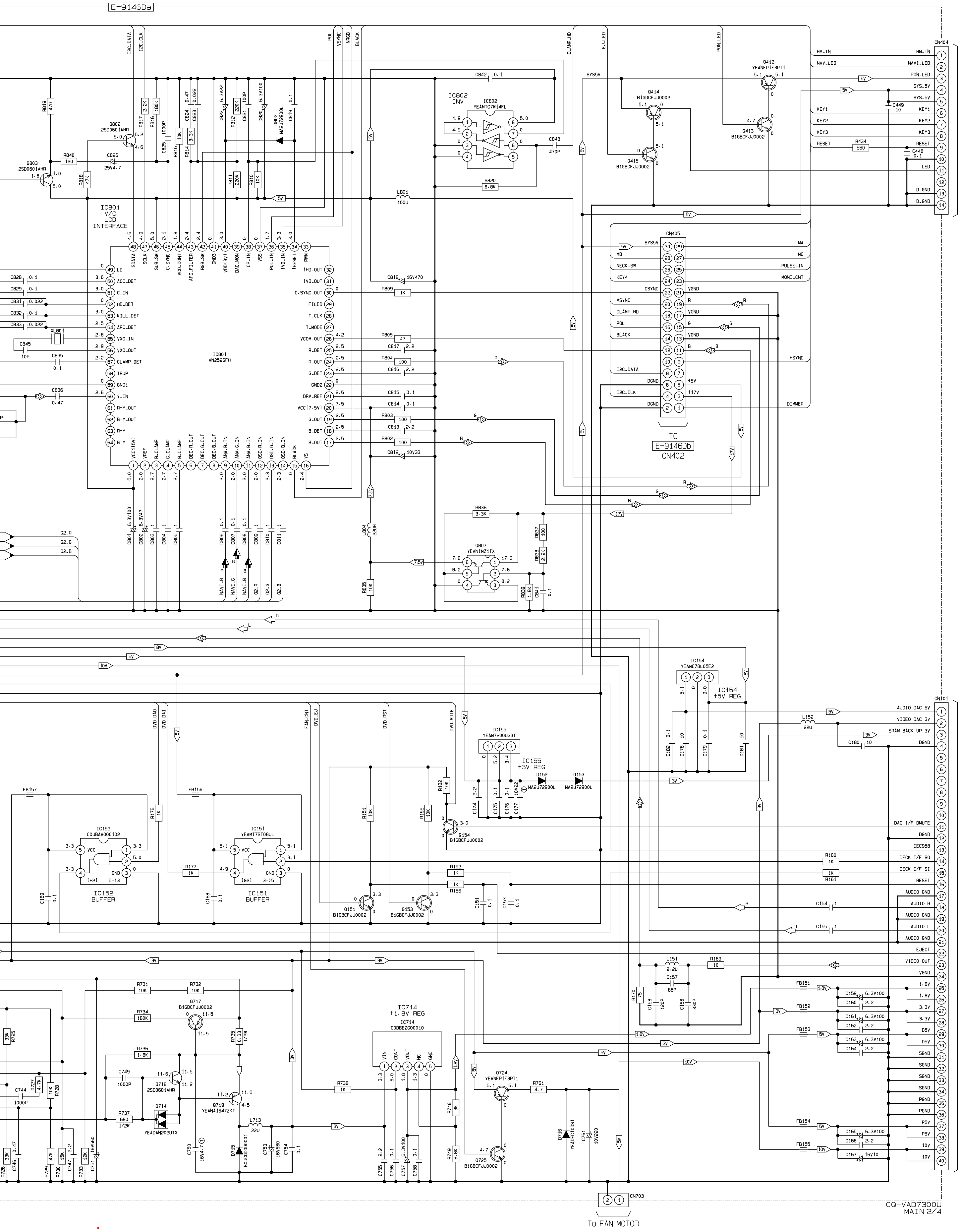


E-9146Da
CN602
NAVI.DISP
NAVI.SP-
NAVI.SP+
NAVI.RM.OUT
CN603
NAVI.SYNC
V.GND
NAVI.R
NAVI.G
NAVI.SENS
NAVI.B
SP-
SP+
AV.MUTE
L301
I2C.DATA
I2C.CLK
R673 220
R674 220
IC201
C1AB00000459
IC201 AV SWICH
CIN1
BIAS
YIN1
MUTE
COUT2
TRAP2
ROUT2
V/YOUT2
LOUT2
VCC
VOUT3
ROUT3
YOUT3
LOUT3
COUT3
DC.OUT
AGND
SDA
SCL
LOUT1
VOUT1
ROUT1
TRAP1
YOUT1
VGND
COUT1
LV6
V6
RV6
LTV
TV
RTV
ADR
RV5
V5
LV5
S-4
S2-4
C4
RV4
Y4
LV4
V4
S-3
S2-3
Y1
LV1
RV1
C1
S2-1
S-1
V2
LV2
RV2
C2
S2-2
S-2
LV3
Y3
RV3
C3
Q601 YEANC314TKTX
Q602 YEANC314TKTX
Q603 YEANC314TKTX
Q604 B1GBCFNN0004
Q605 B1GBCFNN0004
Q606 2SD0601AHR
SYS5V
C627 50V1
C626 50V1
C625 50V1
NAVI.SYNC
NAVI.B
NAVI.G
NAVI.R
V.NAVI
N.SENS
N.DISP RM.OUT
J.COMP
DVD.COMP
DVD.L
DVD.R
VGND
SGND
SP+
SP-
VGND
SYS12V
SYS5V
AUDIO8V
8V
SPOUT+
SPOUT-
DECK.10V
BATT12V
AUDIO8V
SYS5V
CN601
FB605
FB604
FB603
FB602
FB203
FB304
FB303
FB302
FB202
FB204
C603 100P
C301 16V10
C201 16V10
C204 16V10
BUS+
BUS-
VD
R305 10K
R306 10K
C302 330P
C305 16V22
R302 10K
C224 0.1
IC203 YEAMPC4570T1
IC203 BUFF
R202 10K
C202 330P
R205 10K
R206 10K
C205 16V22
C304 16V10
C222 10V470
R227 75
R228 150
L201
C274 330P
R231 10
Q203 2SB709TX
C223 10V100
R221 47K
R321 47K
R326 75
R320 560
R220 560
IC202 C0ABCB000032
IC202 BUFF
C217 16V10
C317 0.1
VCC
GND
R210 1.2K
R310 1.2K
C214 16V10
C314 16V10
C210 1
C310 1
R213 100K
R212 100K
R312 100K
R313 100K
C216 16V22
R218 10K
R219 10K
R318 10K
R319 10K
C316 16V22
5V
KEY
INH
DIM
SPOUT+
SPOUT-
DECK.10V
BATT12V
AUDIO8V
SYS5V
SYS12V
DGND
V.CONT
REV
PKB
ACC.SENS
PGND
SGND
DGND
AT1
CN701
FB708
FB713
FB701
C706 47P
C707 47P
FB201
FB301
C708 47P
C712 47P
C701 47P
D701 YEADDAM3MA47
C713 16V220
C715 0.1
R676 470
R677 47K
R678 470
R679 47K
R680 470
Q609 YEANC114YKX
Q610 YEANC114YKX
C651 0.1
C652 0.1
D605 B0ADCJ000007
Q611 B1GDCFNN0002
C653 0.1
R681 10K
D702 B0ADCJ000007
L701
C716 16V100
C717 0.01
D703 B0ADCJ000007
D704 YEADEC10DS1
D705 YEADSR1544TL
R701 39 1/4W
R702 10K
R703 1K
D701 YEAND1899ZE1
C718 16V100
C719 16V10
D706 YEADRD5M31
C720 0.1
C721 10V220
C786 5.5V0.1
C729 0.22
R711 27K
R713 39K
C730 0.47
R710 150K
R712 270K
IC602 BATT/ACC DETECT. RESET
IC602 AN8065SE1
BAT IN
ACC.IN
ACC.S
GND
BAT.S
VDD
COLY
RESET


E-9146Da
The following symbols are shown on the schematic diagram.
+B
ACC
10V
8V
5V
NAVI
NAVI VOICE
VISUAL
AUDIO (L.R)
To Main Block 2/4 Ⓐ
To Main Block 2/4 Ⓑ
To Main Block 2/4 Ⓒ
To Main Block 2/4 Ⓓ
To Main Block 2/4 Ⓔ
To Main Block 3/4. 4/4 Ⓕ
To Main Block 2/4 Ⓖ
To Main Block 4/4 Ⓗ
To Main Block 2/4 Ⓘ
To Main Block 2/4 Ⓙ
To Main Block 2/4 Ⓚ
To Main Block 2/4. 3/4 Ⓛ
IC601 MAIN CPU
IC601 C2CBKJ000060
IC604 EEPROM
IC604 C3GBCC000001
IC605 BUFFER
IC605 YEAMT7S08UL
IC606 RM CONTROL
IC606 C0JBAZ000279
IC607 INVERTER
IC607 YEAMTC7W14FL
IC603 BUS INTERFACE
IC603 C1EB00000039
IC602 BATT/ACC DETECT· RESET
IC602 AN8065SE1
IC701 +10V REG
IC701 C0DBEKG00001
Q616 YEANC114YKX
Q618 B1GBCFJJ0007
Q702 YEANA1647ZKT
Q703 B1GBCFJJ0002
Q708 YEANHQ1F3PT1
Q709 B1GBCFJJ0007
Q710 B1BBAC000007
D601 B0ADCJ000007
D604 MA8056LMHTX
D602 MA8051-HTX
D707 B0JCQD000001
D708 B0JCQ0000001
D709 YEADSS14VZ
XL601 16MHZ
XL602 32.768KHZ
SW602 YEAS07174
SW603 YEAS07174
TO FLASH WRITER
TO E-9146Db CN401
CN702
2V/DIV· 20mS/DIV
2V/DIV· 50uS/DIV
1V/DIV· 50uS/DIV
2V/DIV· 50mS/DIV
2V/DIV· 0.1uS/DIV
1V/DIV· 0.1uS/DIV
2V/DIV· 20mS/DIV
CQ-VAD7300U MAIN 1/4

24.2. Main-2 Block


E-9146Da
The following symbols are shown on the schematic diagram.
+B
17V
10V
8V
7.5V
5V
3V
1.8V
NAVI
VISUAL
AUDIO (L,R)
To Main Block 1/4 Ⓔ
To Main Block 1/4 Ⓘ
To Main Block 1/4 Ⓖ
To Main Block 1/4,3/4 Ⓚ
To Main Block 1/4 Ⓜ
To Main Block 1/4 Ⓑ
To Main Block 3/4 Ⓝ
To Main Block 1/4 Ⓐ
To Main Block 1/4 Ⓒ
To Main Block 1/4 Ⓛ
To Main Block 1/4 Ⓙ
To Main Block 1/4,3/4,4/4 Ⓓ
MA
MB
MC
MONI_CNT
NECK_SW
SP_MUTE
EJ_LED
NAV_LED
PON_LED
VOL_DATA
VOL_CLK
DVD_CNT
DVD_RST
DVD_EJ
DVD_DAO
DVD_DAI
DVD_MUTE
PULSE_IN
KEY1
KEY2
KEY3
KEY4
DIMMER
RM_IN
RESET
FAN_CNT
I2C_DATA
I2C_CLK
NRGB
HSYNC
VSYNC
NAVI_R
NAVI_G
NAVI_B
DVD_R
DVD_L
DVD_COMP
AUDIO8V
VDD5V
DECK_10V
Q2_R
Q2_G
Q2_B
CAP_SYNC
MONI_COMP
MONI_SP
BEEP
SPOUT-
SPOUT+
VGND
DGND
PGND
SGND
SYS_PWR
BATT12V
SYS3V
SYS5V
GR1.8V
CN102
FB158
IC153 YEAMT7ST08UL
IC153 AND
IC801 V/C LCD INTERFACE
Q802 2SD0601AHA
Q803 2SD0601AHA
Q805 YEANC2412KTX
Q806 YEANC2412KTX
L803 100U
XL801
L802 47UH
IC252 YEAMTD7052A
IC252 SP AMP
IC251 YEAMM62429FP
IC251 ELECTRONIC VOLUME
Q251 B1GBHBEA0004
D252 B0JCGD000001
D254 YEADEC100S1
D253 YEADEC100S1
D251 MA2J72900L
FB157
FB252
FB251
IC152 C0JBAA000102
IC152 BUFFER
IC711 C0DBEZG00010
IC711 +1.8V REG
IC712 C0DBEZG00010
IC712 +3V REG
D711 B0JCGD000001
L711 22U
D717 MA2J72900L
Q711 YEANFP1F3PT1
Q712 B1GBCFJJ0002
Q713 B1GDCFJJ0002
Q714 2SD0601AHR
Q715 YEANA1647ZKT
D712 B0JCGD000001
D713 YEADAN202UTX
L712 22U
IC713 YEAMPC1100GT
IC713 DC/DC CONV



E-9146Da
IC801
V/C
LCD
INTERFACE
IC801
AN2526FH
IC802
INV
IC802
YEAMTC7W14FL
Q802
2SD0601AHR
Q803
2SD0601AHR
Q412
YEANFP1F3PT1
Q414
B1GDCFJJ0002
Q413
B1GBCFJJ0002
Q415
B1GBCFJJ0002
CN404
TO E-9145Ab CN151
RM.IN
NAVI.LED
PON.LED
SYS.5V
KEY1
KEY2
KEY3
RESET
LED
D.GND
CN405
TO
E-9146Db
CN402
Q807
YEANIMZ1TX
IC154
YEAMC78L05E2
IC154
+5V REG
IC155
YEAM7200U33T
IC155
+3V REG
D152
MA2J72900L
D153
MA2J72900L
IC152
C0JBAA000102
IC152
BUFFER
IC151
YEAM7ST08UL
IC151
BUFFER
Q151
B1GBCFJJ0002
Q153
B1GBCFJJ0002
Q154
B1GBCFJJ0002
IC714
+1.8V REG
IC714
C0DBEZG00010
Q717
B1GDCFJJ0002
Q718
2SD0601AHR
Q719
YEANA1647ZKT
D714
YEADAN202UTX
D715
B0JCDD000001
Q724
YEANFP1F3PT1
Q725
B1GBCFJJ0002
D716
CN703
To FAN MOTOR
CN101
TO E-9179C CN2
AUDIO DAC 5V
VIDEO DAC 3V
SRAM BACK UP 3V
DGND
DAC I/F DMUTE
IEC958
DECK I/F SO
DECK I/F SI
RESET
AUDIO GND
AUDIO R
AUDIO L
EJECT
VIDEO OUT
VGND
1.8V
3.3V
D5V
SGND
PGND
P5V
10V

CQ-VAD7300U
MAIN 2/4